SOUTHERN IEXTILE BULLETIN

VOL. II

CHARLOTTE, N. C., FEBRUARY 15, 1912

NUMBER 24

Re-Organization

of

Old Mills

a Specialty

WHITIN AND KITSON COTTON MILL MACHINERY

WE HAVE furnished plans, specifications and engineering work for over one hundred and fifty cotton mills in the South The form hundred and fifty cotton mills in the South. Have furnished machinery and complete equipments for nearly all of these mills, and for as many more designed by other engineers. Our large experience enables us to insure the very best results. A large majority of Southern mills use some of our machinery, many use it exclusively.

KITSON Improved Picking Machinery.

WHITIN Roving Machinery, with Patented Improvements.

WHITIN Cards, Drawings, Railways, Combers, Sliver and Ribbon Lap Machines, Spinning, Twisters, Spoolers, Reels, Looms, Quillers.

CRAMER Air Conditioning System for Humidifying, Ventilating and Air Cleaning.

CRAMER Automatic Regulators for any make of Humidifying and Heating

Systems.

MISCELLANEOUS EQUIPMENT: Winding, Slashing and Warping Machinery; Card Grinders; Cloth Room and Finishing Machinery; Nappers; Dye House Machinery; Power Plants; Steam, Water and Electric Protection, Electric Lighting, Humidifying Apparatus, Heating and Ventilating Apparatus, Shafting, Pulleys and Hangers, Belting and Supplies.

STUART W. CRAMER SOUTHERN AGENT

CHARLOTTE, N. C.

Complete

Equipment for

New Cotton

Mills

OUR RINGS

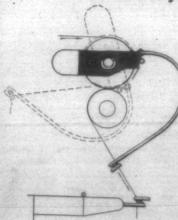
Set the Standard for Quality

THERE ARE NONE OTHERS "JUST AS GOOD"



MIRROR SPINNING RINGS DRAPER COMPANY HOPEDALE, MASS.

The Smith Stop Motion for Two Ply Twisting



Eliminates Waste: prevents roller laps; enables the help to tend more spind es: the onlysimple device for the purpose.

DRAPER COMPANY HOPEDALE, MASS.

SOUTHERN AGENT J. D. CLOUDMAN - 40 S. Forsyth St., ATLANTA, GA.



PROFITABLE BUSINESS

often bears a close relation to adaptability of equipment

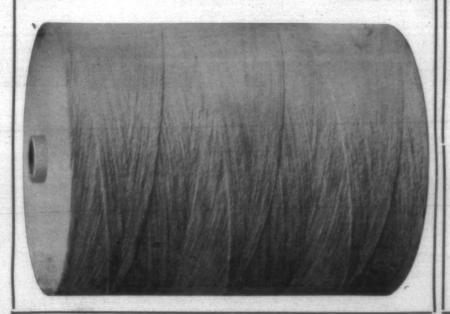
The No. 50 Self-Oiling "Universal"

has interchangeable parts enabling it to turn off

"NUTAPER" Cones or Tubes

of any desired length 1, 2 or 3 ends up.

UNIVERSAL WINDING CO.
BOSTON SOUTHERN OFFICE ATLANTA



DIANIL COLORS HELINDONE COLORS THIOGENE COLORS INDIGO M L B

MANUFACTURED BY

Farbwerke vorm Meister, Lucius & Bruening

Victoria Sizes and Finishing Compounds
MANUFACTURED BY

Consolidated Color and Chemical Company NEWARK, NEW JERSEY

H. A. METZ & CO.

Sole Agents for United States and Canada
122 HUDSON STREET, NEW YORK

SOUTHERN BRANCHES:

Charlotte, 210 S. Tryon Street Atlanta, Empire Building

Manufacturers Should Look Up the Advantages of the

Metallic Drawing Rolls

Over the leather system before placing orders for new machinery, or if contemplating an increase in production, have them applied to their old machinery,

25 Per Cent. More Production Guaranteed.

SAVES

Roll Covering, Varnishing, Floor Space, Power, Waste and Wear.

1-3 Less Weight Required

Write for Points Claimed, Also Prices and Particulars to

The Metallic Drawing Roll Co. INDIAN ORCHARD, MASS.

Our Dobby is the Newest and Best on the Market

KILBURN, LINCOLN & CO

MAKERS OF LOOMS FOR

Plain and Fancy Weaving

FALL RIVER, MASSACHUSETES

SOUTHERN AGENT, O. A. ROBBINS, - - CHARLOTTE, N. C.

SOUTHERN IEXTILE BULLETIN

1912

RS

CHARLOTTE, N. C., February 15, 1912

NUMBER 24

Cotton Manufacturing in Portugal

Report of Commercial Agent R. M. Odell

ber of spindles (500,000) is not much in excess of the number in some gal also posseses considerable minone of the larger mills in England eral wealth, but, for lack of capital and Germany. Cotton manufactur- and on account of inadequate transing is, however, the leading indus-portation facilities, valuatry of the country, and at the pres- (copper, iron and cuprotent time (May, 1911) is in a rather rites) remain unworked. prosperous condition as contrasted with a world-wide depression in ca, a market controlled exclusively by the ntive mills, (2) the high prices obtained for rubber, cork, and wine, and (3) the high tariff on cotton goods.

Agricultural Industries.

Portugal contains 34,254 square miles (about the size of the state of Maine) and the population in 1900 the last official census was about 5,000,000. The chief occupation is agriculture, the veturns showing that more than 3,250,000 people are engaged in this branch, while slightly more than 1,000,000 are employed in various industries.

Of the total area of Portugal 2.2 per cent is under vinyeards, 7.2 per cent under fruit trees, 12.5 per cent under cereals, 2.7 per cent under other crops, 29.6 per cent under forest and pasture, and 45.8 per cent is unproductive. The large area not under cutltivation is due partly to the lack of capital and farmers and partly to the character of the country; yet it has been as-serted that in the mountinous districts of the east there are from allowed the same drawback. 2,000,000 to 4,000,000 hectares (hectare equals 2.47 acres) now untilled all the street railway cathat are susceptible of cultivation. American manufacture. In the north peasant proprietor-ship prevails; the land is divided into small tracts and "petite culture" is practiced. In the south large properties and tenant farm-ing are common. The chief cereal and animal products of the country In the north, maize and exen; in the mountainous region, rye, sheep, and goats; in the central region, wheat and maize; and in the

of the world from Oporto. Portugportation facilities, valuable mines (copper, iron and cuprous iron py-

The methods adopted in the cultivation of the land are almost prithe textile trade. Three contribu- mitive, the old Moorish plow still ting causes have brought about this being in use on some of the farms. rather remarkable state of affairs: The people seem slow to adopt im-(1) The demand for cotton goods proved methods of cultivation and in the Portugese colonies of Afri- modern agricultural implements and machinery. The small farmers in the north are too poor to buy agricultural machines, but there is undoubtedly a market for them in the South. American manufacturers are not well represented and the bulk of the trade in this line is held by the English. If a progressive firm would undertake a campaign of enlightenment among the farmers, a policy that has been pursued in other markets of the world. there is every reason to believe that a good business might be done in agricultural implements and machinery.

Fish Packing-American Goods.

The preserving and packing of sardines forms an important industry in Portugal and large quantities olive oil are imported for this purpose, chiefly from Spain and Italy. A drawback is allowed when this oil is reexported with the sardines, but the same privilege is not accorded to seed oil. Undoubted-ly there would be a good market for American seed oils if they were

In the city of Lisbon practically all the street railway cars are of American manufacture. To such an extent is this true that the term ing in value to \$2,750,000. The oth-"American" is often used by the er articles were stayes, lumber, oils, natives to designate the street car machinery and wheat. In addition cating oils, typewriters, sewing machines, and cash registers are be-produce from the colonies is reexing sold in increasing numbers, the ported to America in large quantitrade in these lines being almost ties, the principal articles under exclusively by the United States. this head being cork, india rubber g on, wheat and maize; and in the been introduced to a great extent, articles imported into the Phisouth, wheat, maize, and swine. but there is a field for a moderate- ted States from Portugal during Throughout the country wine is ly priced car, strongly built, and the liscal year 1910, according to produced in large quantities, the few that have been sold in the American statistics, was \$1,888,739

Statistics of the commerce and industries of Portugal are difficult to obtain and are not considered accurate. The latest complete annual statistics compiled are for 1907. However, statistics of the trade passing through the ports of Lisbon and Oporto during the six months ending June 30, 1910, have recently been published, and they cover practically all the foreign trade excepting overland imports from and exports to Spin.

The foreign commerce of Portugal consists of exports valued at about \$30,000,000 and imports of about \$65,000,000 annually. Without a break, imports have considerably exceeded exports since 1865. Exports show only a limited gain, while imports have nearly doubled in the past 30 years.

The imports from Spain in 1909 amounted to \$8,729,568 and the exports thereto were \$8,687,879.

The foregoing figures include the imports entered for consumption and the exports of domestic products. The products of the Portugese colonies pass through the port of Lisbon, owing to the reduced export duties levied on products shipped to Portugal. The reexports of colonial produce amount-ed to \$14,000,0000 in 1910, an increase of about 15 per cent over

Distribution of Foreign Trade.

The United States ranks third as a supplier of Portugese needs and fifth as a buyer of Portuguese products, if Spain's overland trade with Portugal is not taken into consideration. Of the exports from the United States to Portugal during the period mentioned raw cotton was the leading article, amounting in value to \$2,750,000. The oth-American illuminating and lubri- to the exports to the United States included in the preceding table, produce from the colonies is reex-American automoliles have not and coccca. The value of these three

ORTUGAL occupies a minor lighter kinds being peculiar to the country have attracted notice and \$1,469,733, and \$1,375,674, respectively. The imports from Portugal manufacturing countries of made in the north; large quantities the world. The total num- of port wine are shipped to all parts

Trend of Foreign Commerce.

Statistics of the commerce and hides and skins, wine, wine lees, and sardines.

Principal Imports and Exports.

Considerable amount of goods in the Portugese-American trade is transhipped at Liverpool and Bre-This is particularly true in men. the case of raw cotton. It will be noted that the exports of wheat from the United States declined from \$1,248,408 in 1909 to \$8,649 in 1910. This is due to the fact that the importations of this article is absolutely prohibited in years when the domestic crop is good, while a fixed amount may be brought in when the crop in Portugal is poor.

Cotton-Goods Trade.

There was an increase in imports in 1910 over the corresponding period of 1909 in all classes except twine and sewing thread. The increased imports of cotton yarn were due to the more extended use of the finer numbers in manufactur-ing higher grades of cloth, several weaving mills having been established for this purpose in recent years. The increase in the imports of gray goods was due to a larger demand in the African colonies. To supply this market, which is practically monopolied by Portugal print cloths are purchased abroad, bleached and printed in the domestic print works and reexported to the colonies.

United Kingdom Dominates Import Trade.

The predominance of the United Kingdom in the cotton-goods import trade is shown by the fact that during the first half of 1910 it sup-plied \$1,450,206 of the \$2,056,409 worth of cotton goods imported through Lisbon and Oporto. The amount supplied by other countries was as follows: Germany, \$360,971; France, \$130,629; Spain, \$9,874; Belgium, \$8,980; United States, \$3,131; all other countries, \$92,618.

The United Kingdom furnishes more than 90 per cent of the piece goods and 75 per cent of the finer grades of colored goods, zephyrs, shirtings, etc. In addition to the fact that Manchester manufacturers are able to produce a high quality of goods at a low cost there are

(Continued on Page 18)

Tariff Board Cotton Glossary

(Continued from Feb. 1)

Knit Goods.

The knitting industry is one of the main subdivisions of the great cotton manufacturing industry and includes all goods made from one or more continuous threads into a web by means of a series of inter-lecking loops or stitches. The knitting machine is the machine used in the process of knitting and may be either hand or power, circular or

straight.

The art of knitting by hand is supposed to have originated in Scotland about the commencement of the sixteenth century. In 1589 Wil-liam Lee, of Nottinghamshire, England, invented the knitting frame and laid the foundation of the knitgoods trade of today. In 1816 Marc Brunel invented a circular-knitting machine which produced a tubular web, and in 1831 power was applied to the knitting machine by Bailey. The modern factory development may be said to date from this last event, and its development and the increasing popularity of all kinds of knit goods since then has been wonderful. In the United States in 1850 there were 85 establishments for making knit goods, representing a total investment of fi554,734, with an output valued at \$1,028,102. In 1905 there were 1.079 establishments with a capital of \$663,531 and an output valued at \$136,558,139. first knit goods were made almost entirely of wool, but the great bulk of the output today is of cotton.

Knit goods are usually divided in-

to three classes:
(1) Hosiery, which includes all knitted coverings for the foot or leg, whether made seamless or fullfashioned with seams.

(2) Ribbed goods, which include tops for hose and for sleeves and legs of garments; also cardigan jackets, sweaters and underwear of

certain types.

(3) Flat goods, which include ordinary underwear, either made fullfashioned or else in large pieces to be afterwards cut out and stitched togther to form the garments.

(1) Hosiery.—Hose is a term applied to stockings, for women and children, which are knit the full length of the leg. Half hose men's stockings, so called from their being only half the length of the

There are two principal systems used in making hosiery, (a) the "seamless," which is made on a circular knitting machine, usually employing latch needles, and (b) the "full-fashioned," which is made on a straight knitting frame, usually employing sprinb-board needles. In the first case the stockings are knit with a thread traveling in a continuous circle, while in the latter case they are knitted out flat and afterwards seamed together, the first being the usual system in the United States and the latter in Germany. The term frame and machine is today simply a matter of choice, in either case. We will briefly describe the two systems and state

their advantages:

(a) The circular knitting machine make seamless hosiery consists of a number of knitting needles arranged in slots in the circumference of a vertical cylinder a few inches This is called the in diameter. needle cylinder, and the diameter and the number of needles are designed according to the particular size and quality of stocking to be made. Around this needle cylinder is another cylinder, called the cam cylinder, because it carries on its inner side cams which act upon the needle bases, and alternately raise and lower them as it revolves. Either the needles or the cam cylinder can be arranged to rotate, but the needles are usually stationary in their circle, and the cam cylinder rotates around them. Yarn is fed to the needles from a jack bohbin by means of a yarn carrier attached the cam cylinder, and as each needle is raised and lowered in succession, it catches and loops the yarn with the preceding loop, a continuous round-and-round course of stitches thus being formed until the tubular fabric for the leg has been completed and it is necessary to form the heel.

The heel and toe are in the form of a pouch or pocket, and they are knit by what is known as the narrowing and widening operation. For this operation the circle of needles is divided into three sections. One section, which we will distinguish as the a needles, extends half way round. The remaining half is divided into three equal parts, of which we will call the central part the c needles, and the sections on either side of this the b needles, these latter being specifically known as the fashioning needles. To form the heel, the meedles are lifted out of the way, the motion of the cam cylinder is changed from a round-andround motion to a to-and-fro mo-tion covering only half the circum-ference. At each end of the reciprocating movement one of the fashioning needles is thrown out of connection, first at one and and then at the other, until all of the fashioning needles are out of action. When the narrowing operation is thus complete, the widening takes place by exactly the reverse operation, the fashioning needles being one by one alternately at each swing of the cam cylinder shifted back in place, and when all are in action again reciprocating motion is again changed to the rotary and the full circle of needles operated to make the tubular part of the foot. To make the toe, the process of eliminating needles and then bringing them back into action again, using a reciprocating instead of a rotary motion the while, is employed as in the case of making the heel. In making the heel and sometimes the toe an extra thread is fed in and the two looped as one to make the reenforced sections until the motion changes back to the rotary when the extra thread is automatically

cut out.

which must be completed with a short seam afterwards; but in making socks where a ribbed top is used this is first made on a rib machine and then this put on the circular machine and the balance of the sock stitched on to this top. In the full automatic knitters as now made by means of a pattern chain or wheel which measures he length of fabric knit and at predetermined points shifts the motion-changing needle-cam devices to effect the desired results, the stocking can be shaped and narrowed automatically by the elimination of needles, and the heel and toes knit on without attention from the operative.

Fancy Hose.-Instead of forming the leg portion by rotary knitting, the cylinder can be reciprocated throughout, being supplied on opposite sides with yarn guides and knitting cams, so that each yarn, which may be of different colors, forms a course of stitches half way round the stocking and interloops with the other half of the course where they meet. Lace and embroidery can also be worked in the stockings on the circular machines, but owing to the arrangement of the parts, there can not be produced the variety obtainable on straight machines.

(b) Full-fasioned hosiery is made on the machine variously designated as the straight, flat bed, and rotary The term "rotary" frame. case was used to differentiate the type with rotary driving shafts from the old hand-knitting ma-chine and is rather confusing, as it refers to straight and not to circular knitting.

In the "cotton" type of straight hosiery frames the stockings is knitted out flat and the fashioning, narrowing, and widening is done on the machine by transferring the loops from several of the edge needles in use to a separate instrument. - moving them one or more needle spaces in or out and then replacing these loops on the needles. The needles in this machine are arranged in a straight line. When the has been completed it is cast off from the needle of the above machine, which is called a leg machine or legger, and is transferred to another machine called a foot maker or footer, which completes the foot, the web being narrowed by dropping stitches at the sides to form the instep and also at the toe, so it can rounded properly. Some styles of full-fashioned hosiery require the transference of the web to three or more separate machines to knit the leg, heel pieces, foot and toe, respectively, so that the completed stocking may be accurately shaped.

Straight hosiery frames are built in 12 to 24 sections, each section being the space required for one stocking blank, but it is considered is the widest that a workman can The circular machines have been manage efficiently, and on speciali-

improved until most of them now ties this number is much reduced. make the stocking complete with The machines can be provided with the exception of the top of the toe, attachments as desired, so as to make various effects, such as lace, double lace, splits, plating, stripes, embroidery, clockwork etc. Clockel stockings are those having any figured ornamentation on the side of the ankle, either woven in the fabric or embroidered upon it.

The advantage of the full-fashioned over the seamless stocking is that it can be made to fit the leg so much better. Another advantage is that the fabric in the stocking, having been made with spring needles, which subject the yarn to little strain during weaving, has much greater elesticity than is attainable with the circular machine, where latch needles are used. In addition, a much wider range of ornamenta-tion is possible with the straight machines than with the circular. Fine hosiery, that is, fine in the smallness of the mesh and of the yarn and in the perfection of the finished shape is knit almost exclu-sively upon flat-bed machines of the cotton type.

The advantage of the circular knitting machine is that the stocking is made complete, or practically so, on one machine and does not have to be transferred from one machine to another to be finished into shape, permitting of fewer and less skilled operatives. The finished stocking or sock shows no seam and can be made quicker and cheaper

than the full-fashioned.

In a completé specification of a stocking it is necessary to give the gauge, weight, number of yarn, etc., for instance, a stocking might be described as a "39-guage women's mercerized combed Egyptian liste, made of 70-2 yarn, weighing 22 ounces," and these is also usually given the number of needles employed to make it. The number of needles is equal to the number of loops in the stocking; thus a needle stocking means that there were 176 needles in the needle cylinder and therefore 176 loops in the circumference of the stocking. term "gauge" varies at different places in this country and abroad In most places in the United States as in England, the gauge means the number of leads, containing 2 needles each, contained in a space of : inches, a 27 gauge therefore meaning 18 needles to the inch, a 24 gauge meaning 16 needles to the inch. etc. In Chemnitz the usual system now is to define the gauge as the number of needles to the Saxon inch (Saxon inch equals 0.9291 English inch) Hosiery is judged by the fineness of the thread and the closeness of the texture. Single hosiery yarns usually range from 6s to 30s, and the two-ply yarns from 20s to 70s, though some is used up to f00s and in smaller amounts even up to 200s. large amount of Egyptian cotton employed in this trade, and when used unbleached, so that the characteristic brown shade of the cotton in Saxony that a 20-stocking machine shows up in the fabric, the hosiery or underwear in which it is employ-

(Continued on Page 8.)

12.

to

at

ig

The Future of the Motor Truck

it and your business a great injus-

The motor truck is a product of the age of the modern inventive has solved the problems for pas-genius and financial faith—a wage- senger transportation in cities so earner like the rest of us, doomed as we all are to face the acid test character and adaptability.

The motor truck is here because evolution has made us ready for because the twentieth century

If you think there are no sound economic reasons for its adaption just study these facts:

In ten years, the retail price of horses has increased on an average of 105 per cent.

In ten years the cost of hay, oats and straw has increased almost 150 per cent.

In ten years, real estate in our great cities, has increased at phenomenal rate, making the taxes on ground devoted to stables in the heart of our cities almost prohibi-

In ten years, the volume of street traffic in centres like New York and Chicago has increased 300 per cent, making relief from present con-gested conditions imperative.

In ten years, the motor truck has grown from an idea to not only a commercial success, but to a positive necessity.

In ten years, the cost of gasoline has been reduced almost 100 per cent.

In ten years the cost of electric current for electric vehicles has been reduced from an average of probably 12 cents to as low as 3 cents a kilowatt hour.

Here, then, are some economic reasons for the motor trucks. There are many others, but these are sufficient. They tell very plainly why it is here, and what is more im-portant—why it has come to stay'

In considering any method of transportation there are three things to examine. The road, the load and the vehicle. In trackless transportation, the road must be accepted as it exists. In practically work, the load must be accepted as it is received, and it must be These two delivered as ordered. factors of transportation are the same, no matter what method is tions. employed. Hills, bad roads, fre- mined.

experimental stage, or as mand on animals or machines of the solution of transportation problems can be made any easier.

> Just as the electric street car senger transportation in cities so has the electrical-driven power wagon opened the way to a simple motor, trucking and delivery system in practically all lines of trade.

The electric venicle for trucking and delivery is purely a mechanical proposition. It is a machine. Like other machines, it can be built to do a given amount of work in a definite amount of time at a certain cost under any known conditions.

The safety carried load in pounds or tons is the basis of its mechanical design and construction. specified speed with full load hard level determines how much power will be required. The speciffed duration of continuous opera-tion at full load on a hard level determines the amount of energy that must be stored in its battery at one time. The last condition fixes the size of the storage bat-The power and speed quired determine the size of the moand the gear ratios, while the total weight affects the tire design.

The cost of transportation by electric vehicles can be determined just as logically as the cost of operation of any other machine. It is merely a question on measuring the work and measuring the cost and of placing one against the other.

Accurate engineering can be applied to the problems of transportation with greater satisfaction with electric vehicles than with any other type. Electrical measuring instruments reveal, and rec ord if necessary, the condition and performance of storage batteries, and electric motors. The cost of producing electricity is a known quantity, the amount of electricity necessary to charge a battery is measurable. The amount of electricity delivered to an electric motor by the battery is a known quantity, or can be measured. The performance of an electric motor accurately specified for any condiis tions. Its efficiency is easily deter-

simply a pleasure car adap- any kind. The third factor, the facturer of this type has adopted ted to commercial needs, you do vehicle, is the only one with which methods that affect the design of the entire vehicle and result in an energy consumption per ton mile far below any previous figures.

> The chief cause of this saving is the reduction in friction obtained, by using ball or roller bearings in countershaft and wheels, and efficient silent chain and roller chain drive between motor and wheels. Less energy is thus quired, and a smaller and lighter battery may be used. The decrease in battery weight allows the framework to be lighter, reduces the dead weight, further reducing the energy consumption, the battery weight and the friction loss itself.

> Another important improvement is the use of a single motor for driving the vehicle in place of two or four sometimes used in the past. The advantages lie in decreased weight, better motor efficiency, lighter battery, fewer parts, simpler control and a reduction in energy. Big business demand dividends
> —not sentiment. The old order of things must change if we are to make progress. Sometimes it hurts to give up methods to which we are long accustomed, but where it is a question of dollars and cents business men will eventually adopt the new.

> The horse is slow, unsanitary, short-lived under city conditions and the opposite of economical when compared with the motor truck. The motor truck never gets sunstroke, it does not have to work alternate days only, it gets no broken legs from slippery pavements, it never gets sick or runs it takes up less room and it has 100 per cent greater working capacity than the best borse.

Yes, business demands the moquite common. many adherents, and it looked for and electricity.

F you think of the modern quent stops and starts, long routes To get the cost of operation of a while as though it would domi-motor truck as still in the or heavy loads are equal in the de- its electric vehicles down to the nate the field, but as about 80 per experimental stage, or as mand on animals or machines of lowest figures, the leading manu- cent of all our trucking and deliveries is found in cur cities, and the electric is essentially the more economical in short haul, frequent stop work, its friends have no fear for its survival. There is ample room for both types, so let good work go on. Give us the motor truck, it means greater efficiency, cleaner streets, less dis-ease and more business, all of which augument twentieth century success.-Wool & Cotton Reporter.

Report on Mills.

Raleigh, N. C.—The cotton, woolen and silk milling interests of North Carolina are treated in the chapter of the forthcoming annual report of Commissioner of Labor and Printing M. L. Shipman. It has just been made public and shows 306 mills, having \$52,792,752 capital; 3,332,811 spindles, 56,997 looms 550 braiders, 7,457 cards, operated with a total of 136,652 horse-power and using approximately 299,202,781 pounds of material. There are 54,057 employes of whom 30,535 are males. The number of persons dependent on the mills for support through the employes is estimated at 153,647. General improvement in the proficiency of the employes is reported by 75 per cent of the mills and nearlyy as great a per cent report improvement in the financial condition of the mill people and 21 per cent report no improvement in this respect by employes. Ninety-five per cent report the State labor laws complied with. The report estimates that 85 per cent of the mills and nearly as write. Male employes have high wage average of \$2.60 and low wage average 63 cents and females high average \$1.35 and low 56 cents. The average work hours is ten hours and tor truck. It has tried out the forty-five minutes for day and at power wagon and proved its value, night ten hours and thirty minutes. The motor truck fleets of the coun- Of the 306 mills, 295 report as to Of the 306 mills, 295 report as to try are multiplying at a surpris- power uses, 108, steam power; 80 ing rate, fleets of 50 electrics being electricity; 42 waterpower; 26 com-The gas truck with bine steam and electricity; 3 steam, its greater radius of action has water and electricity; and 4 water

A Saving of 50 per cent. Power

Tape Drive Twisters

FOR COTTON YARNS SHOULD INTEREST YOU, MR. MILL MAN AND OUR TWISTERS PRODUCE A BETTER PRODUCT AND MORE OF IT.

RING TWISTERS-All lengths, and sizes of rings.

COLLINS BROS. MACHINE CO. PAWTUCKET, R. I.

- - Southern Agent - - CHARLOTTE, N. C. A. H. WASHBURN,

Improved Inman Automatic BANDING MACHINE

COLE BROTHERS

PAWTUCKET, R. I.



The only automatic machine in the world for making loop bands for spinning frames. Superior quality of bands without any cost of making. All bands exactly alike and no stretch of bands after they are

Also Beaming Machine to beam on to slasher beams.

Color Combinations

into account not only the color value nary. It is possible to dye a heavy of each addition but its properties cotton cloth with a full deep black as well. It is not meant by this on the surface and a mere tint in-that every combination must be side by using for the surface color made of dyes of equal fastness quickly exhausting dyes and a which exhaust at the same rate slower dye for the inside tint. This but nevertheless the dyer should property sometimes acts against be aware of these features so as the dyer as when dyeing hostiery in to have control of any situation tans the hard seams show yellow that may develop and be able to only and do not become penetrated remedy any defect that may show by the browns. When a standing itself. All are probably familiar kettle is established for a fancy with the way the old Logwood shade it would seem at first that it Black containing Fustic behaved as was necessary to have all the dyes it faded, first becoming green then of equal exhausting power in order brown. This was because the fast- to get a uniform shade, but this is ness of the Fustic was so much not the case. If several lots have greater than that of the Logwood. been dyed up to shade and the bath A garment fading equally does not has become saturated with the look so badly because the lighter relative proportions of each dye, the parts are in no greater contrast same additions made each time will than the parts in high light and give a uniform shade, just as if a shadow, but when the fading causes a change in the actual tone of the color the effect is at once notice-It cannot be too strongly able. urged upon dyers to use for their fancy shades colors which will blues and reds that will go through cause an equal fading—aim to have the process almost unchanged in the fading, which must necessarily take place, simply a light slaty effect whenever possible. If your dyeing fades yellower it signifies that your blue or black is deficient and if a faster one is not practicable then use a yellow, brown or orange of less fastness and more nearly equal to the black. It is better to have the whole color less fast than to have it fade out of shade. Consider the effect on a carpet pattern, in which the colors are harmoniously balanced, which upon fading underwent a change in color and a resultant discord and yet there are today many dyeings put on the market where this defect is prominent. The result is only seen by the consumer who usually does not know where to place the blame, but there is caused a dissatisfaction that acts against future business. There are a number of dyestuffs which fade darker, if we may use such an expression, some which fade redder, some greener. By the use of a skillfully selected combination some shades can be made of fugitive dyes which compensate each other and which show little change on exposure and may be classed as fast. This same feature in connection with direct cotton dyes is interesting—the direct blacks are sensitive to acids and alkalies, acids turn them red.

dish and alkalies greenish. Brilliant yellow is orange when alkaline in a combination is likely to spoil and lemon yellow when acid; Ben-zopurpine is red when alkaline and blue black when acid. A combina-tion of Direct Black, Brilliant Yellow and Benzopurpine (all sensia black is of interest probably only as an example of what may be done but serves to illustrate how the precise and to the man with the weak points of several dyes may be knowledge will come the power. utilized for their mutual benefit.

The unequal exhausting power or colors for the producton of slower dyeing of direct cotton dyes fancy shades the dyer or also give the dyer opportunity of color chemist has to take producing results out of the ordisingle dyestuff were being used.

Combinations in the developed and after-treated cotton dyes are usually troublesome, but it is well to remember that there are yellows blues and reds that will go through shade and may therefore be used for shading. Thus if we have a developing blue and combine it with an unchangeable yellow we have what is practically a developing green.

There is another class of color combinations which might be mentioned, namely, those wasteful of color. This does not mean wasteful of dye although that is a matter of course. A combination of several dyes, brilliant in themselves, but which result in a dull subdued shade that could be made cheaply, possibly faster, and better with a less elaborate combination of duller colors is wasteful of col-As a general rule the duller colors have better fastness and are cheaper than the brilliant ones although this rule has many excep-

Regarding the use of fast or fugitive colors, where cost is to be considered, and it generally is, it may be said that it is a good rule to use the fastest dyes obtainable for the delicate shades as the total cost of dye is not so great and the action of light is so much more noticeable on a pale shade but where a heavy body of color is wanted it may be found that what is called a fugitive dye stands very well in full shades.

the whole, but how to know the unsuitable color is sometimes a prob-The only way to work intellem. ligently in the matter is to have a full record of all the dyes you use tive colors) can be made which with their properties to which you gives a black that is unchanged in add from time to time any new ones shade either by acid or alkali. Such you meet. The day is past when you meet. The day is past when a dyer may work by rule of thumb. the art has become more exact and Textile Colorist.

THE SEYDEL MANUFACTURING CO.



Sizings and Finishings

PHILADELPHIA

FOR ALL TEXTILES

Soaps and Softeners

ATLANTA

THE BEST LUG STRAP

HAS HAD UNPRECEDENTED SUCCESS OVER 400 MILLS ARE USING IVEY'S WOODEN LUG STRAP

We make the Best Picker Sticks

Improved Leather Covered Binders

IVEY MANUFACTURING CO. HICKORY, NORTH CAROLINA

Danker & Marston BOSTON, MASS.

GUM TRAGASOL for Warp Sizing. DANAMAR Softener, replacing Tallow

A. Klipstein & Company 129 Pearl Street, New York City

SOUTHERN BRANCH:

17 EAST FOURTH STREET CHARLOTTE, N C.

SOLE AGENTS

Society Chemical Industry

BASLE, SWITZERLAND

VAT COLORS

Ciba Violet Ciba Blue Ciba Yellow Ciba Green

Ciba Red Ciba Grey

All kinds of Sulphur Direct and Basic Colors for Cotton. Zinc Dust, Bi-Sulphite of Soda, Sodium

Synthetic Indigo

Sulfide, Caustic Soda.

All kinds Sizing and Finishing Materials, Potato Starch, Dextrine, etc.

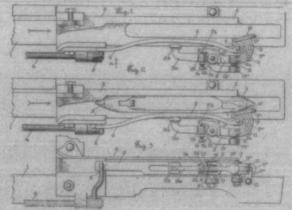
Loom Shuttle-Check

check, and the object of the box invention is to provide a shuttle check of improved construction, and adapted to be combined with a stationary shuttle box of ordinary construction, with which the ordi-

otally mounted on a common stud, independent of the binder pivotal stud, and adjustable relative to each end thereof. One of the two levend adapted to engage the shuttle 10 or other suitable material, the binder, to yieldingly press the bind- outer end of the shuttle 3, as er against the shuttle when it is in shown in Fig. 2, when the shuttle the box. There is an actuating enters the shuttle box. spring intermediate the first men- In a downwardly extending lug spring intermediate the first men- In a downwardly extending lug tioned lever, and in this instance 9" on the arm a is an adjusting an extension on the second men-screw 11, which turns in a thread-tioned lever, beyond the pivot point ed hole in said lug, an dengages at of said lever. The first mentioned its inner end the lower part of the

recent invention by John end of the shuttle binder 6, which B. Cloutier, of Saco, Maine, is pivoted at its outer end on a stud relates to a loom shuttle 7 on the front side of the shuttle

All of the above mentioned parts may be of the usual and well-known construction. The front side of the stationary shuttle box is provided in this instance with a lug or pronary shuttle binder is used. jection 2a, which has ad The shuttle check consists pre- secured thereon a bolt 8. ferably of two levers or arms piv- 8 has pivotally mounted jection 2a, which has adjustably secured thereon a bolt 8. The bolt the yoke-shaped boss or hub 9', see Fig 3, of an arm or lever 9, which extends towards the outer end of other, and located at the front of the shuttle box. The free end of the shuttle box, and near the outer the arm or lever is bent inwardly. and extends in this instance around ers has an engaging end extending the pivot stud 7 of the shuttle in the path of the shuttle when it binder 6, and is adapted to engage enters the shuttle box, and the oth— with its engaging end 9," which end er of said levers has an engaging is preferably covered with leather



lever has an extension thereon be- stationary shuttle box 2, and acts yond its pivot point, which is adap- to limit the inward movement of ted to engage with an adjusting the lever 9. The lever 9 is provid-serew carried on the second men- ed with a bess 9 a thereon, see Fig. tioned lever, and the first mention- 1, adapted to hold in a recessed pored lever has an adjusting screw tion a helically coiled expansion thereon, to regulate the inward spring 12.

movement of said lever, all as will The second lever or arm 13 of be herinafter described.

The shuttle check has its hub 23'

The drawing shows a stationary shuttle box at one end of the loom,

looking in the direction of arrow a, same figure.

In the accompanying drawing, 4 0 is the right hand end of a lay of a follow, carrying a stationary shuttle 9 box or cell 2, for a shuttle 3, in the usual way.

Four is a rock shaft at the front of the lay, carrying the protector the drawing, will be readily under-finger 5, which is adapted to bear stood by those skilled in the art. at its upper end against the inner

check applied thereto.

Referring to the drawing:— Fig-expansion spring 12 enters. The ure 1 is a plan view of the right other extension 13a, or main part hand end of a lay of a loom, with of the lever 13, has the engaging a stationary shuttle box thereon, end 13b, adapted to engage with the thereto; there is no shuttle in the one of the lever 13. shuttle box. Fig 2 corresponds to ly when the shuttle enters the Fig. 1, but shows the parts shown shuttle box, in the direction indiin Fig. 1, when a shuttle enters the cated by the arrow in Fig. 1. On shuttle box; a shuttle is shown in the main part 13a of the lever 13 is this figure, and, Fig 3 is a front a boss 13c, which carries an adjust-view of the parts shown in Fig. 1, ing screw 14, which is adapted to looking in the direction of engage at its inner end with an extension 9b on the lever 9, on the opposite side of the pivot point from the main portion of the lever

> The operation of these improvements in shuttle checks, from the above description in connection with the drawing, will be readily under-

> > (Continued on Page 18)

DIXON LUBRICATING SADDLE CO. BRISTOL, R. I.



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Saddles for Top Rolls of Spinning Machines Mfrs. of all kinds Saddles, Stirrups and

F. H. Washburn, Treas. & Manager

WASHBURN PRESS (RAY PRINTING CO.)

Commercial, Halftone and Color Printing Engraving, Embossing and Lithographing BLANK BOOKS AND SPECIAL RULED BLANKS

MADE TO ORDER

28 West Trade Street Phone 342

Charlotte, N. C.

We carry a full line of General Supplies and make specialty of equipping new mills

WE MANUFACTURE

Oak Tanned Leather Loom Harness, Belting. Weaving Reeds

AMERICAN SUPPLY COMPANY PROVIDENCE, R. I.

Spinning and Twister Ring Specialists

Whitinsville Spinning Ring Co. Whitinsville, Mass.

You should try these Harnesses for Warp Drawing.

Our loom harnesses are particularly well adapted for the Warp Drawing Machine, for the eyes are in perfect alignment, stand square, are well opened and free from twist. We equip harnesses with springs, cords and screw eyes ready for the machine, if desired.

Your request will bring full details. Garland Mfg. Co., Saco, Maine



Co-operation in Commercial Development

the representative commer- merce of the world. cial and industrial organizations of Busy providing for an enormous opment, the whole country would the United States and those domestic market, few American be much the gainer, branches of the Federal government manufacturers have devoted atten
One very important result of the the manufacturing and trade interests of the country is now attractthing like even terms.

In Germany, as is well known, takes there is an uninterrupted chain of The official relation between the Impe- has shown the way to transform its ment and research, or the Bureau rial Government and practically expenditures for investigation, ex- of Labor in its work in the inter- every German chamber of com- periment and publicity into mil- ests of that Branch of societyppp merce, and every manufacturer and exporter and the established system value on the farm. Much of the Most local commercial bedies of concerted national effort for the success of that work is due to the have some journal or other method industrial welfare of the country tween that Department and the agincludes every factor which it is ricultural associations, experiment believed can contribute to that re- stations, farmers' unions, granges, sult. All the resources of the em- etc. The Department of Commerce pire, its railroads, its banks and its and Labor, established in 1903, has pire, its railroads, its banks and its and Labor, established in 1903, has ways be open. The relations besteamship lines are drawn upon to entered a similar field with its va- tween the Department and such a belon the cause. Industrial and some

work the manufactures and the terests of the country before its nues for the class of service which foreign trade of Germany have in- efforts can have their full success- can hest be accomplished through creased enormously, and that coun-ful effect. try has already secured a very strongly entrenched position in now proposed, and this proposal the plan in question. foreign markets. The German tra- has the hearty endorsement of the der, in whatever corner of the Department of Commerce and Laworld he is in business, is never bor. Of such a representative body quite out of touch with the governmental agencies for his aid. He lines, it will be possible to secure the world-battle for trade as the finds German banks, German trans- with its aid ten-fold greater results best ships should be in our navy. finds German banks. German transportation lines and German capi- from the investigations and distal all ready to aid him, and his coveries of the government agents. home government alert to help with special railroad rates, expert advice and other means to facili- the promtion of tate his operations.

hertofore existed between members of the trend of the com- the fruitful fields of investigation from

engaged in fostering and promoting tion to export trade, and comparatively few, also, have noted the ef-forts of the Federal government in ing the attention of many alert this and other fields. Conditions business men. They have become are changing rapidly, however, and convinced of the need of such close many are now making individual relations, if the United States is efforts to capture foreign markets con to compete with its foreign trade for their products—and making by rivals in world markets on any- thees efforts without the knowledge age which would prevent costly mis-

The Department of Agriculture lions of increased production and the commercial and intimate relations which exist behelp the cause. Industrial and com-mercial education is also made an eration must be established be-important part of the system. tween the latter Department and As a result of this national team the commercial and industrial in-

> A new commercial organization is is founded on broad and democratic

Publicity is essential to the success of the Federal activities for manufactures. Much excellent ser-There are now in existence in vice has already been accomplishremedy any defect that m yamayow ed and the records of the results the United States several hundred of this service have been made pubstrong and active organizations, lie but to too small and too indifchambers of commerce, boards of ferent an audience. If manufactu- flag, the loan, or this or that, but trade and manufacturers' associa- rers and commercial interests were it may be stated more certainly trade and manufacturers associated for the state of the s in their respective fields in the of Standards, for example, or the promtion of domestic trade, but Bureau of Manufactures, and sim-certed effort.—A. M. Baldwin in there is little national co-operation ilar bureaus in the Department of Silk.

still untouched and awaiting devel-

One very important result of the establishment of a representative national organization would be to secure through it, almost at once, this large audience for the mes-sages which the government agents have to deliver in regard to trade conditions in the world as reported by consuls, and by commercial agents of the Bureau of Manufactures, the reports in regard to the discoveries of the Bureau of Standards in its great field of experiests of that branch of society.

of giving publicity to pertinent matters of importance to the local interests, and through a national organization the line of communication to the Department would alnational body would moreover be made on a straight mutually helpful as the Department of Commerce and Labor would then be advised of new avegovernment agencies. The time seems to be ripe for carrying out

The best systems for the development of commerce and manufacture should be at our service in We should maintain a state of preparedness for commercial struggles, just as it is our policy to maincommerce and tain preparedness in military fields and the formation of a national organization would be a long step forward.

It is said that trade follows the

Cotton Glossary.

(Continued from Page 4)

ed is known as balbriggan. The HE question of securing between them and there has been Commerce and Labor, or aware of finer grades are largely made with closer relations than have little realization amongst their the object of their labors, and of "lisle thread," which is a yarn made long-stapled cotton, hard twisted, and then gassed by being passed through a fiame to remove the loose, adhering fibers. There is an increasing use of mercerized yarns.

(2 and 3) What are commonly called flat goods are knit on circular spring-needle machines. The ribknitting machine is built on an en-tirely different plan from the circular, in that it has two sets of needles working in conjunction, usually at right angles, and producing ribs or wales on both sides of the fabric. As the wales are formed alternately on either side by one set of needles forming the face and the other the back, the motions of the rib machine are intermittent and the production is less than with the circular machine. Cuffs, anklets, ho-siery tops, etc., as well as sweaters and other goods for outer wear, are made on the rib machine, but it is not ordinarily used for garments to be worn next the skin, as a smooth surface is preferred in such case.

Underwear can be made in various ways. Full-fashioned underwear is spring-needle machine provided with means for narrowing or shaping the garment to fit the body and limbs. Only the finest grades are made in this way, as the machinery is more costly, the speed slower the production less, and higher-skilled mechanics and operate than is the case with the ordinary tubular cloth machine.

Goods Advancing.

Bag manufacturers have purchased a large yardage of cotton goods, and are today paying 3 1-2 cents for 6-yard sheetings. A short time ago these same manufacturers would not touch these goods at 3 1-2 cents.

National Association of Hosiery and Underwear Manufacturers.

The annual convention and exhibtion of the National Association of Hosiery and Underwear Manufacturers will be held on May 6-10, in the First Regiment Armory Broad and Callowhill streets, Philadelhpia.

W. H. BIGELOW

AGENTS FOR

ASHWORTH BROTHERS

Tempered and Side Ground Card Clothing

Tops Reclothed. Lickerins Rewound. Cotton Mill Machinery Repaired.

12 to 18 West 4th St., Charlotte, N. C.

127 Central Avenue, Atlanta, Ga.

DISCUSSIONS BY PRACTICAL

Lettters From Prize Winners

Yazoo City, Miss., Feb. 7, 1912. Southern Textile Bulletin,

Charlotte, N. C.

Editor:

ith de

ed

11-

at

ly

es

rs re

Your letter of recent date received, also check for my share of second prize in the contest on Man-agement of Help. Please accept my thanks and pardon my delay in answering.

The advertisement which I re-cently carried in the Bulletin has brought a great many applications and I think that in a few days I will have all the help that I need, for which I thank the Bulletin.

I think that the Southern Tex-

tile Bulletin is doing a great work and should be appreciated by the cotton mill people in general, especially those in the South.

I will sometime in the near future write something for the beneof the Bulletin and its many

With best wishes, I am, Yours very truly, C. H. Goodroe.

Opening Cotton.

I noticed the article by J. E. C. your last issue and wish to say that I hope more will be printed about methods of opening and mixing cotton for I believe the great defect of the Southern cotton mills cost above a certain allowance. is in opening cotton.

If you send the cotton through the lappers in hard batches of ning. And you goe just an irritated compressed cotton the eveners can moment to the process that should do nothing with it and even on the make up for defects in spinning do nothing with it and even on the cards the laps will be heavy in and increase production and effect spots which causes uneven sliver in weaving.—Extract from circular spots which causes uneven sliver in weaving.—Extract from circular and uneven yarn. On the other by New Brunswick Chemical Co. hand if the cotton goes into the hopper of the feeder in a loose

Another Cotton Fire. fluffy condition with no hard lumps there will be nothing to cause the evenners to jump or slip and un-less the machines are out of fix the stock will go through in an even condition.

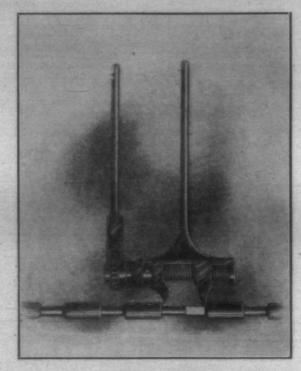
If you want good running work start your cotton through in an even condition and you will get results.

mills rarely use for numbers less The English double roving for numbers less than 40s because they pay a great deal of attention to opening and mixing and do not have to do the evening on the spinning frames. A. R. L.

About Sizing.

Somehow, you American mill men

Sizing is more important than to We have been running local Carogive it only slight thought. A mere lina cotton of about 7-8 inch staple slap—dash—bang method will never but will probably change to full accomplish results. You take an 1 1-8 cotton. inexperienced man, often a boy, What char inexperienced man, often a boy, What changes in card settings or whi hand him a formula and tell him to adjustments would a good carder eye go ahead. Then, as long as the remake for such a change of staple? sult passes-good. Only it must not



Roll Spreader

Those who have had much experience in overhauling and repairing spinning frames will appreciate the advantages of the above roll spreader which was recently shown at a textile machinery exhibit in England.

You sit down and give hours of thought to your weaving and spin-

An unusual case of successful operation of automatic sprinklers occurred in connection with a re-cent fire in the inclined trunk of an opening room of the Pee Dee Mfg. Co. The gravity tank for water supply was empty at the time the fire pump. Eleven Grinnell sprinkler heads opened and, in spite of the handicap due to the lack of water in the gravity tank, the fire was quickly extinguished

Card Settings.

I want to ask a questions on your have been mistreating a most useful discussion page and hope some good art.

used? I have heard that the card builders design the feed plate in ac cordance with the staple and in that case I should think new feed plates would be desirable for the longer staple which we will use.

We are doing good carding now and as I do not wish to tak any chances of getting in a hole when we change to longer staple, I am asking advice.

Young Carder.

Swat the Fly.

The management of the Parker Cotton Mlls Company has made arrangements with Dr. E. H. T. Foster, a sanitary inspector and health en-thusiast, to visit all mills controlled started, as it was being painted on by the Parker Cotton Mills Company, the inside. The pipes of the system and give illustrated lectures on the however, contained water and the fly. Realizing the danger of the fly automatic action started the fire a campaign will be started in Monaghan Mills against him.

> The "swat the fly movement" will likely not be inaugurated at Monaghan until Dr. Foster has delivered his address, whenthe residents will have the opportunity of learning of the best methods to get rid of the fly. Dr. Foster has made a study of the fly and is thoroughly up on the

> "Why does a dog hang his ton-gue out of his mouth?" asked the inspector.

"Yes, my boy?" he said to a bright looking lad, who held up his hand while the light of genius was in his

make for such a change of staple? "To balance his tail!" shouted the Should a different feed plate be bright boy.—Exchange.

Superintendents and Overseers

Rocky Mount Mills.

Rocky Mount, N. C.

H. L. Holden	Superintendent
T. M. Moore	
W. A. Skidmere	
R. J. Allsbrook	
J. S. Biggs	Master Mechanic

Dwight Mfg. Co.

Alabama City, Ala.

C.	S.	WilkinsonSuperintendent
B.	L.	TurnerCarder
J.	D.	LonerSpinner
		WareWeaver
R.	H.	ChadwickCloth Room
H.	J.	Burnap Master Mechanic

American Net & Twine Co.

Anniston, Ala.

H. F.	WillamsonManager
L. E.	OgletreeSuperintendent
U. S.	HendersonCarder
D. H.	HazelSpinner
M. S.	AllenTwister
A. S.	SmithFinisher
W. G	. Taylor Master Mechanic

Pell City Mfg. Co.

Pell City, Ala.

E. A. Thompson Superintendent
J. O. EdwardsCarder
E. W. WrightSpinner
J. C. Meehan
W. R. Thigpen Cloth Room
T. MungallDyer
L. R. ThornburgSlashing
B. W. Locke Master Mechanic

Avondale Mills.

Birmingham, Ala.

H. J. Forsyth Superintendent->
L. J. CochranCarder
G. B. Hixon Spinner
G. R. Matthews
E. C. Barfield:Cloth Room
Wiley Boland
G. A. Simcock, Master Mechanic

Rospoke Mills Co.

Roanoke Rapids, N. C.

9	J. E. Wicker Superintendent
	T. E. Ratcliffe, S. J. Davis Spins.
t	R. L. Martin, Chas. Welch. Wvrs.
6	W. B. D. Loach Cloth Room
8	Louis Grimmer
	J. B. O'BrienBeamer
0	T. J. St. Sing Master Mechanic
	Robt. Webster Finisher

In addition to the above of course

abled to pay cash dividends of over

of the other thread firms, with the

result that J. & P. Coats today reg-

control their supply of fine yarn,

SOUTHERN ILE BULL

Offices: Room 912 Realty Building, Charlotte, N. C.

Published Every Thursday by Clark Publishing Company

> DAVID CLARK Managing Editor

D. H. HILL, Jr. Associate Editor

SUBSCRIPTION RATES

One year, payable in advance	1.00
Other countries in Postal Union	2.00
Single copies	.10

Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

ADVERTISING

Advertising rates furnished upon application.

Address all communications and make all drafts, checks and money orders payable to the Clark Publishing Company, Charlotte, N. C.

Entered as second class matter March 2nd, 1911, at the post office at Charlotte, N. C., under the Act of March 3d, 1879.

THURSDAY, February 15

Geo. A. Gray.

Size of English Cotton Mills.

With the death of Geo. A. Gray of Gastonia, N. C., which occurred noted for its big mills. It is a last Thursday, the textile industry fact not generaly realized, however, of the South lost one of its ablest that while they have a large number and most successful men.

Beginning his mill career as a doffer boy, Geo. Gray worked his way to the top of the ladder and was at one mill and a large stockholder in several others.

His advice on cotton mill matters was probably more generally sought than that of any other cotton manufacturer and bankers and business compare as follows: men had supreme confidence in his judgment and ability.

He occupied a peculiar position in the textile industry of this section and will be very-greatly missed.

His life will serve as an inspira- Over 200,000 spindles ... 21 tion to many as it shows how a man 1,000 to 2,000 looms177 may rise in the cotton manufacturing business by industry and close application to business.

We extend to his family our sincere sympathy and are glad of the man and as a manufacturer.

The English cotton industry is of great spinning mills there are comparatively few large weaving mills. For instance, there are 21 American companies that in addition

England States. 50,000 to 100,000 spindles 275 105 100,000 to 150,000 spindles 410 150,000 to 200,000 spindles 26 3 2,000 to 3,000 looms 27 3,000 to 4,000 looms 4 Over 4,000 looms 2 21

opportunity of saying a word of ap- English have more large mills than direct. preciation of Geo. A. Gray, both as a the Americans, yet that of the very

there are 19 in the United States as lar spinning and weaving branches compared with 21 in England. Of in England but other textile comas saparate concerns. The English

The only English companies hav- ulate the price of thread in every ing 200,000 spindles are the follow- country in the world. In order to iug:

weaving mills under 2,000 looms the binations are those of the Turkey English have over twice as many Red Buyers, the Bleachers, the but of weaving mills above 2,000 Calico Printers, the United Velvet the Americans have over twice as Cutters, and others of the commany. In this statement spinning panies in certain particular and weaving have been considered branches of the industry. have one gigantic spinning combi- is the bigest trust in the cotton innation of 3,000,000 spindles but this dustry of the world, J. & P. Coates, concern owns no looms and there Ltd. This concern, with headquaris not a combined spinning and ters at Paisley, Scotland, has a capweaving company in all England that ital of £10,917,420 or \$53,120,000 and can compare with the Amoskeag, on this enormous capital it is enthe Fall River Iron Works, or the B. B. & R. Knights Company. Their 25 per cent annually. It has mills two biggest companies in this line in the United States and other high are Horrockses, Crewdson & Co., tariff countries and derives more Ltd., with 250,000 spindles and 9,530 revenue from its foreign than from looms and Geo. & R. Dewhurst, Ltd., its home mills. This company was with 224,802 spindles and 4,483 looms formed in 1896 by the combination but neither of these has the comof the two great competing thread bined spinning and weaving capacmakers, the Clarks and the Coats, ity of the new Parker Cotton Mills to which were also joined the best Co., which ranks fourth among American cotton mill companies.

	Headquarters	Spindles	Looms
The Fine Cot. Sp. & Doub. As., Ltd.	Manchester	3,000,000	
Crosses & Winkworth, Ltd	.Bolton	364,000	
Irwell Bank Spinning Co., Ltd	.Stonecliugh	335,752	
Howe Bridge Cotton Sp. Co., Ltd.,	Atherton	316,000	
Bolton Union Spinning Co., Ltd	Bolton	293,410	
Times Mill Co., Ltd	. Middleton	264,144	
Broadstone Spinning Co., Ltd	. Reddish	262,504	
Bee Hive Spinning Co., Ltd	.Great Lever	262,000	
Wm. Heaton & Sons	.Lostock	160,000	
Horrockses, Crewdson & Co., Ltd.	.Preston	250,000	9,530
Bolton Textile Mill Co., Ltd	. Farnworth	250,000	
South End Spinning Co., Ltd	. Mossley	250,000	
Eckerleys Limited	. Wigan	245,000	1,750
Barlow & Jones, Ltd	.Bolton	227,000	1,300
Mather Lane Spinning Co., Ltd	.Leigh	227,000	
Geo. & R. Dewhurst, Ltd	.Preston	224,802	4,483
J. & Hayes, Ltd	.l.eigh	218,496	
Atherton Cotton Spinning Co., Lua.	Atherton	210,000	
Swan Lane Spinning Co., Ltd	. Polton	210,000	
Tunnicliffe & Hampson, Ltd	.Leigh	203,798	
John Wood & Brothers, Ltd	.Glossop	200,000	3,200

titled to be listed above.

are the foremost manufacturers of poly. long cloth and calicoes in England and have a capital of £757,100, or \$3,685,000. They employ some 6,000 95 operatives in their plants at Pres-42 ton and Bolton (the centers respec-23 tively of the plain and fancy trade in England,) and have warehouses at Manchester, London and Glas-This table shows that while the gow, where they supply the trade

The F. C. S. & D. Association (Fine as they make only a portion of the the time of his death president of to spindles, have over 4,000 looms Cotton Spinners' and Doublers' As- yarn they need for thread, they have each, there are only two companies sociation, Ltd.,) is not really an as- obtained large amounts of stock in in England with more than 4,000 sociation, as this term is ordinarily the Fine Cotton Spinners' and looms. Taking the figures as pub- used, but is an amalgamation in Doublers' Association, Ltd. These lished in reliable directories we which the separate mills are but two companies are the only amalfind that the number of large mills departments of one company. In- gamations in the cotton industry cluded in this Association are five that really partake of the character United mills that otherwise would be en- of trusts for on all the other lines there is too much competition for Horrockses, Crewdson & Co., Ltd., any one company to gain a mono-

Advertising.

Advertising does not jerk: It putts. It begins very gently at first, but the pull is very steady. It increases day by day and year by year until it exerts an irresistable power. In order to advertise successfully you should see to it that never The two concerns above are the a paper appears without your own large mills of over 200,000 spindles only big amalgamations in the regu- advertisements therein.—Exchange.

PERSONAL NEWS

Wm. H. Lane, of Chester, Pa., has accepted a position at Quitman, Ga.

G. S. Horton, of Gastonia, N. is now located at Kannapolis, N. C.

G. C. Wilson of the Ivey Mills, Hickory, N. C., has accepted a posi-

Zeb Clayton is now fixing looms at the Imperial Mills, Eatonton, Ga.

R. Manly is now overseer of carding at Williamston, S. C.

G. S. Horton has moved from Gastonia, N. C., to Kannapolis, N. C.

A. Crutchfleid, of Hope Mills, N. C., has accepted a position at Fayetteville, N. C.

tion at Pineville, N. G.

J. Willett has moved from Lowell, N. C., to Kannapolis, N. C.

F. S. Dupre of Winnsboro, S. C., has accepted a position in the office of the Wylie Mills, Chester, S. C.

E. F. Cooney has accepted the position of superintendent of the Cockran (Ga.) Cotton Mills.

J. H. Ayers, of Hiddeniate, N. C. has accepted a position at Liledoun, N. C.

R. G. Mimms of Canton, Ga., is now overseer of weaving at Alexander City (Ala.) Mills.

J. P. McCraw has accepted the position of overseer of weaving at the Warren Mfg. Co., Warrenville, S. C.

G. C. Wilson, of the Ivey Mills at Hickory, N. C., has resigned and is now located at Pineville, N. C.

Fred Tindall has accepted a posi-tion as machinist at the Gluck Mills, Anderson, S. C.

E. T. Porter has resigned his position at the Great Falls Mfg. Co., Rockingham, N. C., and is now located elsewhere.

Lomas H. Quinn has accepted position with the Vivian Cotton Mills at Cherryville, N. C., as overseer of the carding.

R. G. Mims, from Canton, Ga., is now overseer of weaving at Alexander City, Ala.

J. P. Scott, of Campobello, S. C., has accepted the position of master mechanic at the Athens (Ga.) Mfg.

J. L. Hoover of McColl, S. C., has accepted the position of night carder and spinner at the Avon Mills. Gastonia, N. C.

Jno. W. Walters of Statesville, N. C., has accepted the position of overseer of carding at the Taylorsville (N. C.) Cotton Mill.

Rastus Kennedy has accepted a position as second hand in spinning at the Dilling Mills, Kings Mountain,

Ellis Wilson, formerly with the Columbus (Ga.) Mfg. Co., is now grinding cards at the John P. King Mfg. Co., Augusta, Ga.

Paul Tindall, of the Brogon Mills, Anderson, S. C., has accepted a poin the machine shop of the Alta Vista (Va.) Cotton Mills.

S. A. Crutchfield, formerly of Raleigh, N. C., but more recently lecated at Hope Mills, N. C., is new at Fayetteville, N. C.

E. F. Cooney has again accepted the superintendency of the mill at Cochran, Ga., after an absence of a

C. L. Enliss has resigned his posi-tion as loom fixer at Graham, N. C. and accepted a similar position with the Erwin Mill No. 2, Duke, N. C.

J. B. Knight is now overseer of spinning at Crawford, Ga.
J. J. Carnell has resigned as over-

seer of spinning at Crawford, Ga.

W. P. McCra has resigned as sec ond hand of weaving with the Lydia Mills at Clinton, S. C., and has accepted a similar position with the Warren Manufacturing Company at Warrenville, S. C.

"He will tell you all about it."

SPINNING CARDS, DRAWING FRAMES, MILL MACHINERY MASON MACHINE WORKS TAUNTON, MASS BDWIN HOWARD, Southern Agent Charlotte, N. C. MULES. COMBERS. LOOMS. LAP MACHINES

Robt. W. Van Tassel has accepted position as master mechanic and chief engineer at the Massachusettts Mill in Lindale, Ga.

Frank C. Cunha has resigned his position as overseer combing at the Dartmouth Mill, New Bedford, Mass., to accept position with the

J. E. Elkin, formerly master mechanic at Ware Shoals (S. C.) Mfg. Co., is now filling a similar position at Honea Path, S. C.

seer of spinning at the Erwin Mills, No. 4, Durham, N. C., to become superintendent of the Hanes Mill, Winston-Salem, N. C.

Mill his help presented him with a gold-mounted fountain pen.

T. B. Moore has resigned as over-

Jess Price has resigned his position as second hand of the spinning with the Dilling Cotton Mills at Kings Mountain, N. C., and is now located at Pineville, N. C.

W. J. Willett, formerly overseer of Lowell, N. C., has recently moved to Kannapolis, N. C.

Herbert Mason has resigned section hand in spinning at the Abingdon Mills, Huntesville, Ala., accept a similar position at the Huntsville Cotton Mills.

Chas. H. Walton had his hand painfully injured last week by catching it in the blades of the week by folding machine at the Deep River Mills, Randleman, N. C.

A. D. Martin has resigned his po-sition in the Woodside Cotton Mills, Greenville, S. C., to take charge of weaving, slashing and cloth room of years.
in the Shelby Cotton Mills, Shelby OVERFLOW PERSONALS PAGE 16

Rastus Kennedy, formerly of the Dilling Cotton Mills at Kings Mountain, N. C., has accepted position with those mills as second hand of the

Roby Johnson has accepted position with the Ivey Mills at Hickory, N. C., having resigned a position with the Brookford Mills of same place.

Charles Clark has resigned his position with the Ivey Mills at Hickory, N. C., and has accepted a posiwith the Brockfield Mills of the same place.

T. Oscar Doyle, formerly with the British Hosiery Co., Thornton, R. I., On leaving the Woodside has accepted position as overseer of dyeing at the Richmond Hosiery Mills, Rossville, Ga.

> Will Loften has resigned his position with the Catawba Cotton Mills at Newton, N. C., as overseer of the night carding, and is now located at Mount Holly, N. C., where he is running speeders.

Herbert Mason has resigned the the spinning with the Majectic Mills position as section hand in spinning at Belmont, N. C., but lately located with the Abingdon Mills, Huntsville, with the Abingdon Mills, Huntsville, to accept a similar position with the Huntsville Cotton Mills of same place.

> E. T. Barnes, formerly overseer to of the spinning at the Granby Mills of Columbia, S. C., has accepted position with the Wallace Mills at Laurens, S. C., is overseer of the carding and spinning.

J. Foster Barnwell has been made treasurer of the Abbeville (S. C.) Cotton Mills, a position which he has filled temporarily since last November. Mr. Barnwell has been with the mills as book-keeper for a number of years.

CAPACITY 1000 POUNDS LINT PER

"Cleaner Cotton for Cotton Mills!"

Why not clean your cotton as it is being opened? Two processes in one operation. We court your investigation.

"The C. O. B. Machine"

MANUFACTURED BY

EMPIRE DUPLEX GIN COMPANY, 68 William St., New York

Southern Representative

J. S. COTHRAN, Charlotte, N. C.

MILL NEWS ITEMS OF INTEREST

Talledega, Ala.-All of the mills at this place are now running full

Gastonia, N. C .- All of the mills at this place were closed down last Saturday on account of the funeral of George A. Gray.

Lynchburg, Va.-The Cone Export & Commission Co. announce a further advance of 1-8 cent a yard on Lynchburg Cotton Mill sheet-

Anderson, S. C. — The Brogon Mills have just received 36 new model Draper looms. The erection of another cotton warehouse has

Chattanooga, Tenn. - The Davis Hosiery Mills, of this place have completed a new building 64x224 feet. It is two stories high and will be used for dyeing and drying. This addition to the plant will give employment to more than 200 ad- has been standing idle for some ditional people.

This is a Jacquard mill, having ditional people.

Robersonville, N. C .- The Robermachinery in the plant. The building for the company has been erected, but no further progress made. It is said they are interested in securing some one to furnish capital.

Tallahassee, Ala.-The Tallahassee Falls Manufacturing Company, which operates two large cotton mills at this place, and which owns several thousand acres of land in this section of the country, has decided to sell the land, It will be sold to farmers, with the understanding that no one man is to buy more land than he can cultivate.

Jackson, Tenn. - The Jackson Woolen Mills, for many years one of the leading manufacturing concerns of this city, will in all probability move to New York city within the next few months. learned from President Cantrell that while the decision to move is not final, it woud be greatly to the in-terest of the firm to establish itself in New York city.

Siluria, Ala.—The Buck Creek Cotton Mills are now about completed. The main building is 565 feet long by 77 feet wide and two It contains spooling, slashing, weaving and accompanying machinery on the ground floor, while the carding and spinning department is installed on the ond floor. The machinery includes ture all machinery needed in the 20,000 spindles and 600 automatic running of oil mills, making comlooms. The capacity per week is approximately 50,000 pounds of hundred operatives will be em- company will be refrigerating ployed. The company is at pres- plants, fertilizer machinery, waste power.

Cleveland, O .- Articles of incor Company, of this place. The capital stock of this new concern is placed at \$10,000. The incorporators are as follows: Carl R. Brown, Charles B. Bayly, Charles W. Saeltzer, John B. Oviatt and Lena A. Gregg.

Springfield, Tenn.—The Spring-field Woolen Mills Company is another complete set of machinery. This equipment will consist of one set of cards, four broad looms, burr picker, mixing picker, etc. The addition of this new machinery will bring the company's equipment up to a five-set mill, having broad looms and 10 mules.

Salisbury, N. C .- Judge Ferguson has appointed S. B. Alexander, Jr., of Charlotte, N. C., receiver for the Grace Mills, of this place, which

an equipment of 40 looms and accompanying machinery, the product being damasks. It is a \$15,sonville Hosiery and Manufactur-duct being damasks. It is a \$15,-ing Company has not yet installed 000 enterprise and F. L. Robbins, machinery in the plant. The president and treasurer. months.

> Gastonia, N. C.-As successor to the late George A. Gray, L. L. Jenkins of Asheville, a large stockholder, was elected president of the Gray Mill. Thomas L. Craig was elected vice president, and J. H. Se-L. Gray-the latter a son of the deceased-were re-elected secretary-treasurer and superintendent respectively.

> Rome, Ga. - The Rome Hosiery Mills have increased their equip-ment to 277 knitting machines, 35 loopers and 14 sewing machines. They buy 11s, 14s, 16s, 18s and 50s About a month ago they added to their output a line of misses hosiery, making necessary these additions to their equipment. H. R. Berry is secretary-treasurer and the buyer.

Greenville, S. C .- On Thursday the American Machine & Manufacturing Company, the latest addition to Greenville's manufacturing industries, will begin operation, cording to A. D. Kennedy, assistant manager of the company. Carloads of machinery are arriving daily for the plant, and being installed as rapidly as possible

new concern will manufacplete plants. Parts for cotton mills will also be manufactured. Among drills and sheeting and about three other specialties to be made by the ent developing its own electric cleaning and reducing machinery,

Dallas, N. C .- By virtue of an or-Cotton Mill will be sold at the court house door in Gastonia next Thursmill was some time ago sold to Col. C. B. Armstrong for \$20,000 but this bid has been raised to \$22,000, and has made thoroughly investigated. bidding Thursday will begin at this figure.

held at this place. Reports from the officers of the company showed that the year had been a prosperous one for the mills, which had yielded a good profit. The hoard of directors elected officers for the company as W. W. Baird, president; C. H. Ferrell, vice-president; J. R. Jarrell, secretary, and A. L. Dodson, treasurer.

Mills will replace many of their old style looms with automatic ones, contracts having been awarded for one hundred new machines. These new looms will be furnished by the Crompton and Knowles Loom Works, Worcester, Mass., and each loom will have a weekly capacity of 3,000 yards of cloth. This company is capitalized at \$500,000 and its plant includes 14,-112 ring spindles, 700 looms and accompanying machinery, driven by electric power. The output, which is dressed ginghams, is dyed and finished at the milll.

Newton, N. C .- The mill building erected by the Ridgeview Cotton Mills Company several years ago, but which has never been epuipped for manufacturing, been bought by J. fl. Shuford, of Hickory, N. C. Mr. Shuford intends to utilize the building for the manufacture cotton yarns. He has is an experienced cotton manufacturer and purchased the Ridgeview property with a view of installing 5,000 spindles and accompanying machinery. The equipment of the mill will represent and investment of from \$80,000 to \$100,-000 for machinery alone.

Kinston, N. C .- The fourteenth annual meeting of the Kinston Cotton Mill stockholders was held this abilities of the company are about afternoon. The reports of the officers of the mill were very gratifying to the shareholders, notwithstanding the dreadful condition of the yarn market for the past three years. A dividend of 4 per cent. was declared from the earnings of the past year. The former board of directors was re-elected, as were the previous officers. J. F. Taylor, presprevious officers. J. F. Taylor, pres-rer; J. M. Geer, vice president; J. ident of the Southern Soft Yarn E. Johnston, secretary.

Spinners' Association, is the treas- On April 5th, 1911, the company urer and general manager of this claimed assets of \$45,280, over li-

Columbia, S. C .- The Senate has poration have been issued to the der of sale made at the January term yet to act on the governor's message American Textile Manufacturing of Gaston Superior court the Dallas referring to the penitentiary situation and the hosiery mill, the governor wants abandoned. This day afternoon, February 15, at 2 matter has been referred to a com-o'clock to the highest bidder. This mittee for investigation, and the Senate has said, in substance, that it wants every charge the governor

> Nashville, Tenn.—The Nashville Hosiery Mills, which resumed opera-Humboldt, Tenn. — The annual tion a short time ago, are getting meeting of the stockholders of the well under way. The company has Humboldt Cotton Mills was recently about 400 operatives at work but well under way. The company has about 100 operatives at work, but has machinery for 300 or 400. The company has difficulty in getting skilled operatives. Jesse H. Thomas and J. H. McPhail are the principal owners of the company. The plant closed down about one year ago on account of the high prices of the raw material proving disastrous to business. The members of the company now regard the outlook as very favorable for develop-Chester, S. C.—The Springstein ing the large trade enjoyed in the

> > Columbus, Ga.-The State game and fish warden is of the opinion that the dyes coming from the textile plants along the Chattatextile plants along the Chatta-hoochee River ki'l the fish in the stream. He is quoted as saying that there could be and would be \$500,000 worth of fish produced in the Chattahoochee, but for the fact that the poisonous dyes from the mills along the river are allowed to run into the channels. He is conferring with the mill managers, with a view of disposing of the dyes without injury or loss to the mills. He is also getting up data to present to the Legislature, to urge such legislation as will protect the fish. Some of the mill interests are co-operating with the Commissioner while others are of the opin-ion that they cannot dispose of the dyes without turning the fluid into the river.

> > Greenville, S. C .- At a meeting of the creditors of the Gilreath Manufacturing Company, it was decided that the receiver, F. W. Symmes should continue the business of the company and complete the delivery of all contracts held by the com-pany on orders for spring. It was brought out at the meeting the li-\$90,000 and the quick assets about \$75,000.

> > The Gilreath Manufacturing Company was incorporated in May, 1910, with an authorized capital stock of \$50,000, of which \$10,000 was paid in at the start. The officers of the incorporation were: J. D. Gilreath, president and treasu-

abilities of \$44,330.

Textile Bank.

The Textile Bank is the latest institution added to the mill villages. It is as strong as Gibraltar, and the special pride of Caesar Cone, who is president. This is one of the rockribbed banking institutions in North Carolina. The operatives are en-couraged to place their surplus funds in the savings department, where 4 per cent interest is paid.

J. H. Cole is cashier, and is receiving a hearty welcome from our people. The success of this bank is assured. Three thousand six hundred well paid employes should make any bank Greensboro News. prosperous .-

Cotton Mills Will Not Be Combined.

The combination of the Langley, Aiken and Seminole Manufacturing Companies, by the purchase of the other two properties by the Langley company, as amounced recently, will not take place. This was the final decision reached last week.

Thomas Barrett, Jr., president of the three separate companies at the control of the three separate.

stated that owing to the fact that so many of the minority stockholders of the companies were opposed to the consolidation, that at the joint meeting of the stockohlders of the three companies, it was decided in deference to the wishes of these minority stockohlders to operate the

companies separately as in the past.
Mr. Barrett stated that there will be no change of officers or management, but that the companies will be operated as before the proposed consolidation.

Knitting Mill Conditions,

Raleigh, N. C.—According to re-port just issued by Commissioner of Labor and Printing M. L. Shipman, sixty-five knitting mills are reported for North Carolina during 1911 and 54 of them show a capital stock of \$3,043,125. The number of spindles in use in these mills is given as 48,892; knitting machines, 7,762; sewing machines, 583; making use of 4,735 horsepower. Seven do not report horsepower.

Thirty-two mills use steam for power; thirteen use electricity; nine gasoline, four electricity and steam,

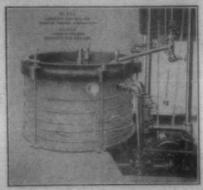
three water, one electricity and gas, three do not give power used. Number of employes reported is 6,475; 2,302 males and 3,590 females; mills, employing 583 do not classify employes. Fifteen thousand seven hundred and sixty-six persons are dependent on the operation of these mills for a livelihood.

Wages are as follows: High average, males, \$2.29; low average, males 62 cents; high average, females, \$1.44; low average, femoles, 51 cents. Employes of twenty-two mills are paid weekly; twenty-nine

Economical Cotton Dyeing and Bleaching

In the Psarski Dyeing Machine

Saves Labor Saves Dyes Saves Drugs Saves Steam Saves Water



Saves



Sulphur-Developed-Vat Dyes Done Equally Well

RAW STOCK DYEING—The cotton goes to cards in as go Is not rolled into balls and strings.

BLEACHING—Bleached, and wrabed PEFFECTLY CLEAN-FREE FROM CHLORix OR ACID.

31/2 hours to batch. In not pounded and twisted into practically waste.

SKEIN DYEING—No Boiling Out—No Tangles—Yarns are left Smooth and in perfect condition for winding, knitting, etc.

HOSIERY Recommended size of machine does 300 pounds to batch, SULPMUR OR DEVELOPED BLACKS. It is not Roughed—No Singeing required—No Sorting—No Damaged.

15 to 20 per cent Saving in Drugs

The Psarski Dyeing Machine Co. CLEVELAND, OHIO 3167 Fulton Road

WILLIAM INMAN, Agent 364 Newport Avenue Milwaukee, Wis.

R. D. BOOTH, Agen 118 Ocean Avenue Atlantic City, N. J.

Textile Directories

Clark's Directory

Southern Cotton Mills Pocket Size \$1.00

American Textile Directory

BY LORD & NAGLE

Office Edition \$3.00 Traveling Edition \$2.00

Blue Book

BY DAVIDSON PUBLISHING CO.

Office Edition \$4.00 Traveling Edition \$3.00

SEND ORDER TO

Clark Publishing Co.

CHARLOTTE, N. C.

mills, semi-monthly; three monthly, two mills do not answer. The average number of hours worked a day is nine hours and thirteen minutes

Twenty-nine mills report no change in wages; twenty-three report wages increased; one mill reports decrease; five mills do answer the question. Forty-two mills report financial condition of employes improved; nine report that it is not improved; five do not

General proficiency is reported improved from forty-three mills; five that it has not improved; eight do not report.

State Cotton Warehouses.

The one oustanding defendible reason for a bill such as that now before the General Assembly "To Create and Operate a State Warehouse System for Storing Cotton," is the necessity for protecting the great wealth-producing industry of the South from the perils and disasters incident to the precipitate marketing of millions of bales of renters and croppers and other financially weak and unorganized producers of cotton.

The justification for an appreciation of public money to do that which is ordinarily a commercial function would rest in the certainty that such participation by the State is for the general good.

It seems to us, therefore, that to justify such a radical move on the part of one State it is essential to have the guaranteed co-operation of a sufficient number of other cottonproducing States to make the plan effectual. Leadership is a fine thing, but before one company of a body of troops goes forward to charge a regiment its commander, unless would sacrifice his men usalessly, has the assurances of the support of other companies of his comrades. The expenditure by South Carolina of a quarter of a million dollars in this enterprise should be conditioned upon the participation of other cotton-growing States.

And in any event the personnel of those having charge of the ware-house system would be of great importance. It is proposed to create a business whose success is dependent not alone on the integrity of those in control of it, but upon their busi-ness sense and ability being of the higehst, and with wide business experience.-Columbia State.

Photographer-I have been taking some moving pictures of life in your mill.

Superintendent-Did you catch my operatives in motion?

Photographer—I think so Superintendent—Ah, well, science is a wonderful thing.—Exchange.

AMERICAN MOISTENING COMPANY

BOSTON, MASSACHUSETTS

WILLIAM FIRTH, President THE ONLY PERFECT SYSTEM OF AIR MOISTENING **COMINS SECTIONAL HUMIDIFIER**

FRANK B. COMINS, Vice-Pres. & Treas.

JOHN HILL Southern Representative. Third Nat. Bank Building, ATLANTA' GEORGIA

Cotton Goods Report

ed during the week on gray goods ing on prices which will which served to make the selling let them out, but also allow them margin on lines of percales very a profit, which however, will be

The belief is growing among the jobbers that advances will shortly be named on some well known tickets, and a few of the largest houses have been quietly covering at current price levels, in anticipation of an upward movement. While there has been further talk through the market as to the possibility of an advance on prints and ginghams, the prices that ruled two weeks ago. question is still an open one. Job-bers are likely to go ahead and move out the stocks they have on hand at the present time, before they make any attempt to place additional orders for prints. On ging-hams prices for fall have been announced on well known lines, and show no change from those previously in force. It is hardly likely that there will be any chance on these lines, jobbers state, unless there is an unusually sharp up-ward turn in the cotton market. In the meantime, however, print cloths have been marked up rather sharply this week on both narrow and wide goods, and this is causing printers and converters to look more closely at their selling prices for the finished goods. Cotton yarns were advanced again in several quarters during the day, and some commission houses here state that they cannot get deliveries with which to meet the demand. Some prominent Southern spinners are now stated to be sold ahead for June-July de-livery, while other mills are also getting in a more or less sold up position. On knitting yarns quite a few mills are new reported to be sold ahead for June and July, while on weaving yarns several spinners are sold through for May to July delivery. On weaving counts some commission houses were forced to mark up their prices yesterday anywhere from 1-4 to 1-2 cent a pound, in addition to advances already made earlier in the week Offers made in one quarter for 30s two-play warps at 23 cents, were turned down by the spinner, with statements that sales had already been made at 23 1-2 cents. Open quotations in this market stand at 22 1-2 cents to 23 cents a pound. Carpet and rug lines are moving rather slowly, with here and there moderate reorders coming forward.

The Fall River print cloth market continued active last week and sales were larger than for any previous week for several months, in spite of the fact that there was a firm tone on the part of manufacturers and an advancing tendency of prices. Some of the manufacturers, who were trading quite freely, dropped out of the market altogether, on account of the advancing prices in the cotton market. Better prices in the cloth market have One thousand seven hundred and been insisted on by all who have seventy-five bales deducted from rebeen willing to trade. For the first ceipts for the season.

small.

The prices paid for narrow goods in printers' styles were on a basis of 3 1-4 cents for regulars, and wide goods at4 3-9 cents for standards. Nearly all the styles in demand advanced a sixteenth of a cent over the previous week in prices now freely offered and an eighth of a cent over the previous week over

Prices on cotton goods were quot-ed in the New York market as fol-

Pt clths, 28-in, std 3 1-4	-	
28-in., 64x60s 3 1-8		
Gray goods, 39-in.,		
68x72s 5	-	
38 1-2-in., stds 4 3-8		
4-yd 80x80s 6		
Brwn drills, stds 7 1-2	1	
Shigs, south, std 7 1-4 to		1-2
3-yd 6 3-4	7	
4-yd, 56x60s . 5		
Stark, 8-ounce duck12 1-2	-	
Hartford, 11-ounce,		
40-in. duck15 1-8		
Tickings, 8-oz12 1-2	-	
Std fancy prints 4 3-4	-	
Std ginghams 6 1-4	-	
Fine dress ging 7 to		1-4
Kid fin. cambries 3 3-8 to	-	

Weekly Visible Supply of American Cotton.

February 9, 1912	4,975,651
Previous week	4,960,413
Last year	4,027,374

Weekly Cotton Statistics.

New York, Feb. 9.-The following statistics on the movement of cotton for the week ending Friday, February 9, were compiled by the New York cotton exchange:

WEEKLY MOVEMENT.

This Yr. Last Yr.

	Port receipts	379,768	179,146
	Overland to mills		
	and Canada	26,225	32,498
	Southern mill		
	.takings (esti.).	65,000	32,498
	Loss of stock at		
	interior towns.	35,804	34,764
Š			
	Brought in sight		
	for week	435,789	222,168
	TOTAL CROP	MOVEM	ENT.
		This Yr.	Last Yr.
	Port receipts	0.169.247	7,395,688
ē	Overland to mills		
Ĝ	and Canada	558,562	709,938
	takings (est.)	1,845,000	1,510,000
ē.	Southern mill		
	Stock at interior		
	excess of Sept. 1	602,849	518,245
	Describe in sinht		

for season....12,175,663 10,133.871 One thousand seven hundred and

GRINNELL WILLIS & COMPANY

44-46 Leonard Street, New York

SELLING AGENTS

BROWN AND BLEACHED COTTON GOODS FOR HOME EX-PORT MARKETS



Independence is our motto, and we have no connection with any other Ring Traveler Company.

U. S. RING TRAVELER CO.

AMOS M. BOWEN, Treas.

PROVIDENCE. R. I.

Southern Audit Co.

Public Accountants and Auditors

901-903 Realty Building Phone 2103 CHARLOTTE, N. C.

C. L. SMITH

JOHN W. TODD Vice-President and Secretary

Clays in the South

The U. S. Government report shows that the value of brick and tile manufactured from clay in Pennsylvania for 1909 exceeded twenty million dollars.

We can show limitless deposits of superior clay in easy reach of reasonable priced electric power, where transportation facilities offer a very wide distribution.

An ideal location for a large plant. For particulars address

J. A. PRIDE

General Industrial Agent, Seaboard Air Line Railway NORFOLK, VIRGINIA.

FOR SALE OR RENT

Large cotton mill buildings, without machinery, situated adjacent to a good hydro-electric power plant, in a prosperous Southern city. Twenty-one tenement houses, ready for immediate occupancy, go with the property. Local capital available to right parties.

Also a smaller mill, with machinery complete, suited for making cotton varns: Most liberal propositions made if right party can be obtained. Refer to file No. 7500 for further information.

M. V. RICHARDS

Land and Industrial Agent Southern Railway

Room I

WASHINGTON, D. C.

The Yarn Market

Southern Single Warps:

Southern Two-Ply Warps:

408 27

20s 23 248 24 268 24 1-2-

Single Skeins Carded Peeler:

Two-Ply Carded Peeler in Skeins:

Philadelphia, Pa.-There was a moderate volume of business transacted in the yarn market last week. 8s 16 ward at the close of the week, but they were very firm.

Weavers were active buyers in all numbers from 4-4 to 40-2 in skeins and warps. The quanties purchasand warps. The quanties purchasand the warps and were usually small, ranging 12s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 14s to 17 1-2—from one to one dozen bales for 26s to 18 1-2—20 prevailing, but they are not getting 26s to 20 1-2 14-2 agreed deliveries. Some numbers 30s to 22 1-2 1-2 are scarce and dealers bought one 36s to 24 1-2-25 and two bales from each other to 40s to 27 1-2—28 tide customers over until yarn now Weavers were active buyers in all tide customers over until yarn now in transit arrives.

Some manufacturers of staple Southern Frame Spun Yarn on Cones dress fabrics in colton and worsted are doing a good business. At the present time the attention of many 12s 17 4-2—manufacturers is centered on goods 14s 17 4-2—18 made from fancy yarus. Many of 16s 18 48 1-2 19 practically every weaver of dress 20s 18 4-2—19 goods, or those who could weave 22s 19 1-2—20 them has nurchased a sample lot 24s 20 —20 1-2 en opportunity and almost as many kinds of fancy yarns have been put on the market as there are differ-overdone.

Sou	thern	Singl	e Sk	eins.

88	į			A										è			*	15	1-2-16	
10s	i	į				ü	ì	-		-	9	6		'n				16		
128	2	-	-	-		ä	i	-		ü				6		i,		16	1-2-	
148					9	-	-	6	ű	0		'n	0			-		16	1-2-17	
168			1	6	-													17	-17	1-2
20s									4			-	7					17	1-2-18	
268		ć							-		-							19	1-2-	
																			1-2-	

Southern Two-Ply Skeins:

88		16 —
108		16 1-2-
128		16 1-2-
208		18 -18 1
248	*************	19 1-2-
26s		20 -
30s		20 1-2-21
40s		20 1-2-21
40s	********	26 —27
50s	************	32 —
60s		39 -40

Carpet and Unholstery Skeins:

8-3	hard twist	15	1-2-16						
8-4	slack	17	1-2-18						
	slack								

A. M. Law & Co. F. C. Abbott & Co

Spartanburg, S. C.

BROKERS

Southern Securities

	South	Carotina	and	Georgia	Mill
2		s	tocks.		
				Bid	Asked
	Abbev	ille Cottor	n Mills	70	75
	Aiken	Mfg. Co.		. 85	

		Bid	Asked
	Abbeville Cotton Mills	70	75
	Aiken Mfg. Co American Spinning Co.	85	
-22	American Spinning Co.		162
	Anderson C. Mills pfd	90	
	Aragon Mills		65
ps:	Arcadia Mills		93
	Arkwright Mills		100
	Augusta Factory, Ga	60	65
	Avondale Mills, Ala	116	120
	Belton Cotton Mills		130
-18 1-2	Brandon Mills		93
-20	Brogon Mills		61
-20 1-2	Cabarrus	130	****
-21 1-2	Calhoun Mills		61
-22 1-2	Capital Cotton mins	QU	85
25	Chiquola Mills		167
2—28	Clifton		75 85
	Clinton Cotton Mills		125
	Courtenay Mfg. Co		95
on Cones	Columbus Mfg. Co., Ga	001	95
	Columbus Mfg. Co., Ga	92	4 100
15 4 0	Cox Mfg. Company	440	70
-17 1-2	Eagle & Phenix Ga	117	400
2—18	Easley Cotton Mills	100	165
-18 1-2	Energee Mfg. Co., pfd	1.75	100
2-19	Enterprise Mfg. Co., Go	75	
-19 1-2	Exposition Cot. M., Ga.	10	210
2-20	Fairfield Cotton Mills.		70
20 4.9			
-20 1-2 -	Gaffney Mfg. Co Gainesville C. M. Co. Ga	***	80
9_	Glenwood Mills		141
	Glenn-Lowry Mfg. Co.	101	
	Glenn-L. Mfg. Co., pfd		95
eeler:	Gluck Mills		100
	Granby Cot. Mills, pfd.		
2-23	Graniteville Mfg. Co	160	165
	Greenwood Cotton Mills		59
2-	Grendel Mills		100
2-26	Hamrick Mills	100	
-30	Hartsville Cot. Mills		190
	Inman Mills		105
	Inman Mills, pfd		101
Skeins:	Jackson Mills		95
	King J. P. Mfg Co., Ga	85	100
2	Lancaster Cot. Mills	. 130	
	Lancaster C. Mills, pfo	1 98	
2_	Lancaster C. Mills, pfo Langley Mfg. Co Laurens Got. Mills	60	105
	Laurens Cot. Mills		125
-31 1-2	Limestone Cot. Mills		175
2	LOCKBAPL MIIIS	. 10	
-30	D. E. Converse Co		65
-37 1-2	Dallas Mfg. Co., Ala		110
-42 1-2	Darlington Mfg. Co Drayton Mills		95
	ALLOS COLL MILLIS		20

Drayton Mills

Charlotte, N. C. BROKERS

Dealers in Mill Stocks and other Southern Mill Stocks, Bank Stocks, N. C. State Bonds, N. C. Railroad Stock and Other High

Grade Secu-ities				
North Carolina Mill	Stoc	ks.		
	Bid.	Asked		
		140		
Atherton		****		
(MESSER) (1777) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1) (1.1)		110		
Brookside	100	105		
	100	110		
	131			
Cannon	120	141		
Chadwick-Hoskins		95		
Chadwick-Hoskins, pfd.		100		
		110		
	190	200		
Cora		135		
The same of the sa				
Efird	100	125		
Elmira, pfd	200	100		
Erwin Com		120		
	101	102		
Florence		126		
Flint	130			
Gaston		90		
Gibson		70		
Gray Mfg. Co	150	121 200		
Highland Park, pfd	100	101		
Henrietta		170		
Imperial	101	106		
Kesler	125	140		
Linden		***		
Loray, pfd	90	94		
Lowell		181		
Lumberton		251		
Mooresville		000		
Modena		200		
Ozark	92	110		
Patterson		125		
Raleigh	100			
Roanoke Mills	155	161		
Salisbury	136	***		
Statesville Cot. Mills		96		
Trenton, N. C	****			
Tuscarora		90		
Washington, plu	20	101		
Washington Wiscassett	103	125		
Woodlawn	100	103		
Parker Mills com	5.4	. 25		
Piedmont Mfg. Co	400	160		
Pelzer	138	140		
Piedment Mfg. Co	94	160		
Poe, F. W. Mfg. Co	****	100		
Riverside W.				
and the second second second second				

Personal Items

- G. W. Hayes has moved from Summerville, Ga., to Trion, Ga.
- C. C. Simons, formerly of Rock Hill, is now fixing looms at the Springstein Mill, Chester, S. C.
- J. H. Separk has been elected treasurer of the Gray Mfg. Co., Gastonia, N. C.
- W. E. Diggle has resigned his position with the dye plant at Springstein Mills, Chester, S. C.
- L. E. Colvin has accepted a position with the dye plant at Springstein Mills, Chester, S. C.
- F. Stegall, of Gibsonville,
- J. C. Suttles has accepted position Greenwood, S. C. as overseer of weaving at the Valley Falls Mfg. Co., Spartanburg, S. C.
- T. J. Jones has accepted position as overseer of spinning at the Girard (Ala.) Cotton Milts.
- J. C. Jordan, of the Locke Mill, New Plant For Southern Power Co. Concord, N. C., has accepted a position at Kannapolis, N. C.
- J. M. Talbert has resigned overseer of spinning at the Buffalo tion for the new station. Mills, Concord, N. C.
- carding at the Paola Mills, Statesville, N. C.
- L. W. Redd, of Calhoun Falls, S. C., has accepted the position of
- C. F. Tompkins has resigned as stenographer at the Lumberton (N. C. Cotton Mills and returned to his former home at Baltimore, Md.
- G. W. Underwood, of the Pomona Mills, Greensboro, N. C., has accepted a position with the Wylie Mills, Chester, S. C.
- R. A. Farr, of the Pomona Mills, Greensboro, N. C., has accepted a position with the Wylie Chester. S. C.
- succeed the late Geo.

R. K. Simpkins has resigned as section hand at the Columbus (Ga.) Mfg. Co., to accept a similar A four-room cottage, occupied position at the Girard (Ala.) Cotton by Dug Smth and J. G. Moore, at the

David Hathcock, who has had charge of the humidifying system stroyed, of the Locke Mills, Concord, N. C. has resigned to accept a position with the American Moistening Co.

- Geo. D. Simpkins has resigned as section hand at the Abingdon Mills, Huntsville, Ala., to accept position as second hand in spinning at the Girard (Ala.) Cotton Mills.
- R. A. Farr has resigned as section hand in carding at the Pomona Mills, Greensboro, N. C., to accept a similar position with the Wylie Mills, Chester, S. C.
- A. L. McCombs, tormerly with the C., has accepted a position with the New Holland Mills, Gainesville, Ga., Springstein Mills, Chester, S. C. has accepted position as overseer has accepted position as overseer cloth room at the Grendell Mills,
 - Robt. G. Campbell, rears general superintendent of the White Oak and Proximity Cotton Mills, Greensboro, N. C., has signed, to take effect March, 1st.

The Southern Power Company has decided to erect another plant and are now considering the loca-

Mt. Holly, N. C., is very desirous of securing the plant and recently C. E. Kestler, of the Calvine Mills, sent a delegation to Charlotte to Charlotte, N. C., is now overseer of confer with the officials of the Power Co, and offer them inducements to put the plant at Mt. Holly.

Charlotte's interests are also being looked after in the matter.

nish light as well as power.

Geo, A. Gray Dead.

Geo. A. Gray, one of the pioneer facturers of the South, died at Gastonia, N. C., last Thursday.

Three weeks ago Mr. Gray was operated on for appendicitis and child; to bark sometimes, and oc-Mills, den death followed Thursday.

L. L. Junkins has been elected read or write when he entered the go mad and then they are danger-president of the Gray Mfg. Co., Gas-cotton mill, at the time of death he ous. We have known of two in-

effects of the occupants were de-

Lost His Right Hand.

Fletcher Newman, a young man who is employed at the Dixie Mills. Mooresville, N. C., sustained the loss of his right hand last week Mooresville, N. sustained the while at work in the card room at the mill. His hand became caught in the machinery and was so badly mutitated that amputation was nec-

Argentina To Start Cotton Farm Colony.

Argentina, South America, has begun a campaign to promote and encourage there the cultivation of cotton. A decree forming the first cotton growing colony has been issued by the ministry of agricul-This colony is known as La Cooperacion, comprises about 60 miles in Chaco province along the Resistenciato-Metan Railway, divided into small farms of 125 to 250 They are to be offered to immigrants, who at the end of the present harvest season desire to remain in Argentina, with the express provision that the cultivation of cotton alone must be undertaken thereon.

Dogs.

Up in the mountains or on the farm, a dog is a good thing to have around a house to watch the barn The new plant will be of 1,000 and to hunt with occasionally, but The new plant will be of 1,000 and to hunt with occasionally, but superintendent of the Palmetto horsepower capacity and will fur- we know of no place where a dog is nish light as wall as power. so useless as at a cctton mill. people here do not hunt and they have no time to train dogs if they did hunt. Most of the dogs around our mills are common curs, fit for and most successful cotton manu- nothing but to destroy the gardens of the neighbors, to eat about much as a hog would eat or cost as much to keep as it would to feed a while he was thought to be recov- casionally bite an innocent child ering splendidly from the operation, who happens to be walking along pneumonia developed and his sud- the street. The number is de-den death followed Thursday. creasing fast and we hope it will Starting life as a doffer by at a not be long before they will all be wage of 30 cents a day, unable to out of the village. Sometimes dogs cotton mill, at the time of death he ous. We have known of two inowned considerable stock in a num- stances in one of our villages when is suffering with seven serious ber of the most successful plants in a person took his life into his hands on his face, neck and shoulder. a widow and to go into the street, not that there

but from the guns and pistols in the hands of excited men and boys. occupied shooting recklessly all over the vil-They did not hit the dogs Riverside Mills, Anderson, S. C., was either, but they came near hitting burned last week, and most of the several people. Sit down and make effects of the occupants were de- the calculation; how much has your dog been worth to you this year. If he has not paid, give him away, or better still ,cut off his tail—right behind his ears.-The Pacomico.

Census at Woodside.

Tuesday and Wednesday of this week were set aside for taking the census at the Woodside Mills village, Greenville, S. C. An enumeration of the population of Woodside is had every year, the figures last year giving the population of the village as 1,500. Much moving in and out has occurred during the last year, but it is not thought that there will be a decrease in the number of inhabitants when the returns are had. It is thought by many that a decided increase will be shown.

The census is taken at the expense of the Woodside Cotton Mills. Two enumerators are employed by the mill company, and the methods used are similar to those used in taking the government census.

Columbia, Tenn.—At a meeting of the stockholders of the Columbia Cotton Mills, the following directors were elected: J. P. Street, Ernest E. McLemore, Horace Rainey, W. A. Dale, John W. Shelton and Dr. Otey J. Porter. These directors in turn elected the officers of the mills as follows: J. P. Street, pres-ident; Ernest E. McLemore, vicepresident; W. F. Embrey, secretary and treasurer: Since the company resumed operations about a month ago, as noted, after an indleness of two years, the plant has been running full time and having no trouble in disposing of their output. More than 100 operatives are employed at present, but it is found that this number will have to be increased.

Overseer Badly Cut.

As a result of a cutting affray at the Anchor Duck Mills, Rome, Ga., Monday morning, Quigg McKenzie, a young white man is in the county jail charged with assault with intent to murder in default of a \$500 bond, and John C. Ellis, overseer of

Young McKenzie, who is a formemploye of the mills, had gone to the spinning room without a ss from the superintendent, and fused to leave. When Ellis pro-eded to eject him from the room, cKenzie got out his knife, and beore he could be stopped, had cut he overseer about the face, neck nd left shoulder seven times.

Sunday Schol Teacher bys, what would you say if you nd been Lot fleeing from the irning city of Sodom, and you had en your wife stop and look back? Little Boy (at end of class)—Rub--Exchange.

Want Department

Want- Advertisements.

If you are needing men for any position or have second hand ma-chinery, etc., to sell, the want col-umns of the Southern Textile Bulletin afford a good medium for advertising the fact.

Advertisements placed with us reach all the mills.

Employment Bureau.

The Employment Bureau is a feature of the Southern Textile Bulletin and we have better facilities for placing men in Southern mills than any other journal.

The cost of joining our employment bureau is only \$1.00 and there is no other cost unless a position is secured, in which case a reasonable fee is charged.

We do not guarantee to place every man who joins our employ-ment bureau, but we do give them the best service of any employment bureau.

Wanted.

Full set of help for night run five nights, pay for six li help must be over 16 years old or night work. Can use a few more on day run. Wanted espe-ially Spinners, Doffers, Spoolers, teel Hands. Good healthy place, ood running work all on 40-2 wet vaste. Apply in person or write. C. H. Goodroe, Supt., Yazoo Yarn Mill, Yazoo City, Miss.

WANT position as superintendent. No employed but wish to change on account of health of locality. Have had long experience and can give satisfaction. References will be furnished on application. Address No. 99.

WANT position as superintendent. Have had long experience and have operated some of the best

WANTED — Position as second hand of carding in large mill or overseer in small mill. Five years experience as second hand. Married; age 25 years. Good references. Address No. 101.

WANT position as overseer of spinning, speeling and warping. Now employed but would prefer to change. Long experience and satisfactory references. Address No.

WANT position as overseer spinning. Now employed but want larger job. Can furnish good references from present or former mills. Address o. 103.

WANT position as overseer of card-Experienced on No. 8s to Good manager of help. Age

Strictly sober. Best of references as to character and ability. Address No. 104.

WANTED-Position as overseer of cloth room. Am at present em-ployed handling product of 1,700 looms on export and domestic. Have 14 years' experience as overseer with some of largest mills in South. Can furnish necessary reference as to integrity and abil-Prefer location in upper Carolina. Address No. 105.

WANT position as overseer of weaving. Experienced on plain and WANT position as overseer of card-Draper looms and check work. ing in large mill. Married. Six-Am also a designer and experienced finisher. Held last God references. Address No. 106.

WANT position as overseer of spinning. Have eight years experi-ence as overseer. Am 28 years old and have good references. Not interested at less than \$2.75. Address No. 107.

position as overseer weaving, 12 years experience with good mills. Best of references. Address No. 108.

WANT position as overseer of carding. Now employed but desire larger room. Have had good ex-perience and have held present position for six years. Address No 109.

WANT position as carder or spin-Seven years as machinery erector and overseer of carding and spinning. Married. Age 35. Good references. Address No. 110.

position as superintendent at not less than \$2,000 Now empleyed, but would prefer to change. Good references as to

mills in the South.

position on account of illness from which have now recovered. Can furnish satisfactory references and can get results. Address No.

WANTED — Position as second weaving. 36 years of age. Married. Strictly sober. Good manager of help. Won't consider anything less than \$2.50 per day. Can furnish good reference from present Address No. and past employers. Address No.

> WANT position as overseer of finishing or weaving or both. Have WANT position as superintendent, ad long experience and can furor overseer of large weave room had long experience and can furnish first class references. Address No. 113.

WANT position as superintendent. Had long experience on many lines of goods and can get quali-ty and production. Soher and re-iable. Address No. 114.

WANT position as overseer of carding. 7 years card grinder. 4 WANT position as overseer of years second hand. 3 years as carding; or carding and spinning overseer on present job. Married. in small mill. Age 34. Married

Good references as to habits and work from present and former employers. Address No. 115.

WANT position as overseer of spinning in large mill or superintendent of yarn mill. Have had long experience and am now employed Address No. 116.

WANT position as overseer of spin-Have had 12 years experience on white and colored work both coarse and fine. Age 44 Strictly sober. Address No. 117.

WANT position as superintendent or overseer of carding and spin-ning. Now employed, Long experience and good references. Address No. 118.

ing in large mill. Married. Sixteen years experience and am now employed but prefer to change. Address No. 119.

WANT position as overseer of carding. 36 years old, married and can furnish best of references. Now employed in large mill but wish to change. Address No. 120.

WANT position as overseer of carding. Five years as overseer. Experienced on combers and fine yarns. Age 32. Good references. No. 121.

WANT position as overseer of spinning. 10 years experience as over-seer. Age 30. Married. Good references. Address 121.

position as overseer of weaving. 10 years experience as overseer and now employed but desire to change for good rea-sons. Fine references. Address No. 122.

WANT position as overseer of carding. 17 years in card room. years experience as overseer. Can furnish good references. Address No. 123

WANT position as chief engineer or master mechanic. Have had long experience and can give satisfactory references. Address No

WANT position as superintendent, or overseer of carding in large mill. Have had 25 years experience as machinist, card er and spinner. Now employed. Age 37. Married. Can furnish best of references. Address No. 125.

Have had long pracctical experience and can furnish satisfactory reference. Address No. 126.

ANT position as engineer and machinist. Now employed but could change on short notice. Can furnish good references. Address No. 127.

carding: or carding and spinning in small mill. Age 34. Married.

PATENTS

Trade marks and Copyrights

Send your business direct to Wash: ington. Saves time and insure better service.

Personal Attention Guaranteed 30 Years Active Service

SIGGERS & SIGGERS Patent Lawyers Suite 34 N. U. Bldg. Washington, D.C.

Long experience. Can furnish good references. Address No No. 128

ANT position as superintend-ent of yarn mill. Have had six WANT years' experience hosiery yarns. Can furnish good references. Age 30. Married. Address No. 129.

WANT position as overseer of carding or spinning or overseer carding and spinning. Have had long experience and can furnish the best of references. Address No. 130.

WANT position as overseer of weaving in small room, or second hand in large room. Experienced on counts from 18s to 50s. Experienced on plain and Draper looms. Good manager of help, sober and reliable. G references. Address No. 131. Good

WANT position as overseer weaving in large mill on white work. years' experience on Stafford Automatic Looms, also expert on Draper Looms. Can get quality and quantity. Will consider noth-ing less than \$5 per day. Address No. 132.

WANT position as superintendent of mill making cloth, or would take overseer of spinning in large mill. Long experience, good references. Now employed as superintendent but wish to change, Address No. 133.

WANT position as carder or spinner. Can take position in short notice and can furnish the best of references. Address No. 134.

WANT position as superintendent of small yarn mill, or overseer of carding in large mill. Familiar with white and colored goods. 23 years experience in mill business Now employed as superintendent. Would not consider less than \$3.50 per day. Address No. 135.

WANT position as superintendent of yarn mill. Experienced on white and colored yarns from 8's to 40's. Have 23 years experience and can give good references. Address No. 135.

(Continued on Page 18)

Cotton Manufacturing in Portugal. (Continued from Page 3)

other reasons for this predomi-Ships sailing from England to South America make Oporto (Leixoes) and Lisbon ports of call, and as these boats make fast and frequent trips a very direct and efficient line of communication is enjoyed by the two countries. It is sometimes possible to order goods from England and secure delivery in the same week. Moreover, there is a large colony of English people in both Lisbon and Oporto, and there is a natural inclination on the part of the local merchants to im-English goods. Manchester manufacturers are represented on the spot by resident agents. Twice each year, in the spring and in the fall, salesmen are sent out and they remain in the country for two months, showing new lines of sam-ples and coming in touch with the

Portugese merchanis demand long credits and six months net are the usual terms, although the time of payment is extended even further than this in many instances. There are very few losses as a result of long credits and since it is the custom in the country competitors must be prepared to offer the same terms. Recently Germany has been securing an increasing amount of the cotton-goods trade in certain lines, particularly the finer grades of colored goods and linen fabrics There are many Germans in the country and as there is a direct and quick steamship service tween Bremen and Oporto, and the German manufacturers offer the same terms as the English, the competition in certain lines is growing very keen. In gray goods, however, England enjoys an almost complete monopoly, the imports from the country being chiefly print cloths. There is no fixed method of packing, but pieces of 126 yards are preferred in order to avoid so many seams in the bleaching and printing processes.

Competition of Domestic Mills—

American Trade.

As in many other cotton-manufacturing countries of the world, Portugal supplies practically all the coarse goods for domestic consumption and the nativ' mills are slowly securing a share of the business in finer grades. So firm is the hold that England has on this trade, however, that not infrequently the merchants use the mark "Ingles" on the products of the domastic

It is rather difficult to ascertain the actual retail price of a piece of cotton goods in the stores in Portugal. One merchant will sell a cloth at 100 reis (10 cents) a meter while another will offer the identi-cal goods at 70 reis (7 cents), and sometimes the difference is even greater. Not infrequently the customer makes a lower offer than the price asked, and it is accepted. There is a lack of uniformity various custom houses, which results in different duties being levied on the same class of goods. This also leads to variations in prices on the same grade of goods.

American cotton goods are unknown in this mrket. One importer told me that he had used some American goods 10 to 15 years ago and that they were of a better quality than similar goods of English make. On being questioned as to why he head ceased to use them, he stated that the prices were too high, and that his customers preferred the English goods at a lower Another importer, on being asked why he did not use American goods, made the same complaint as to high prices, but stated that he had not seen quotations on American products in 10 years.

There seems to be a general impression that American goods are too high in price, and I believe that this could be dissipated, as there are undoubtedly certain lines of ginghams and print cloths that American firms could sell in Pertugal in competition with other for-eign manufacturers. There is certainly no prejudice against American goods; on the contrary, the importers and dealers seem to be extremely anxious to increase trade with the United States.

(Continued next week)

Loom Shuttle-Check.

(Continued from Page 7)
When there is no shuttle in the box the parts of the shuttle check mechanism will normally be in the po-sition shown in Fig. 1. When the sition shown in Fig. 1. When the shuttle enters the shuttle box, in the direction of the arrow, Fig. forward or outer end of shuttle will come in contact with the engaging end 9" of the lever 9, and move said lever outwardly, and through the action of the expansion spring 12, move the engaging end 13b on the portion 13a of the lever 13 yieldingly inwardly, to press against the binder 6, and force the binder agamst the side of the shuttle to bind the same.

WANT position as overseer of weaving. Experienced on both colored and white work. Age 34. Married. Good references. Address No. 136.

WANT position as overseer of carding at not less than \$3.00. Now employed but wish healthier location. Have had long experience and can furnish best of references. Address No. 137.

WANT position as superintendent or overseer of carding and spin-ning at not less than \$4.00. Now employed in large mill but wish to change. Good references. Address No. 138.

WANT position as carder and spinner or spinner in large mill. Age 34. Married. Good experi-ence and references. Address No. 139.

the methods of classification at the WANT position as superintendent. Long experience and now employed but wish larger mill. Can furnish best of references. Address No. 140 .

Boomer & Boschert Press Co.

BUILDERS OF

BALING PRESSES

STANDARD FOR

COTTON MILL USE

ALL SIZES ALL PRESSURES ALL TYPES ALL PRICES

Hundreds of mills use them throughout the South

A. H. WASHBURN, Southern Agent Correspondence Solicited CHARLOTTE, N. C.



Your Line Shafting Is Wasting Power In Your Plant

Probably the greatest waste of power can be charged to line shaft friction. Are you ready to listen when we say we will positively guarantee to save you from 15 per cent to 25 per cent of your friction load?

Do you realize what this means in dollars and cents? You cannot afford to let the line shaft eat up your costly power.

Take action today by writing to

find out all about the Kinkead Method of aligning and leveling shaft-

Can be used night or day. Used also for leveling up spinning frames, roving frames, etc. Only quick and absolutely accurate method. No great mechanical skill required to operate.

MAY WE GIVE YOU A FREE **DEMONSTRATION?**

Send for Catalog "D"

KINKEAD MANUFACTURING CO.

7 Water Street, Boston, Mass.

WANT position as superintendent or carder and spinner. Now employed and can furnish goe" references. Address No. 141.

WANTED position as overseer spinning by practical as well as a technical man. Married. Am strictly temperate. Can come on short notice. Will consider nothing less than \$2.50 per day. Address No.

Finish Him.

Kind Old Lady - Little boy, wouldn't you like to go to Sabbath school and learn to be good?

Little Boy-No; it would ruin my repertashun.

Kind Old Lady-Ruin your reputation?

Little Boy-Yes'm; I'm known as "the bad boy of the block."-Ex.

CLASSIFIED LIST OF ADVERTISERS

ARCHITECTS. Stuart W Cramer.

AUTOMATIC BANDING MACHINES

ALIGNING AND LEVELING APPA-Kinkead Mfg. Co.

BELTING-Charlotte Supply Co.

BOBBINS AND SPOOLS-American Supply Co. Charlotte Supply Co. Draper Co.

BOBBIN WINDERS-Universal Winding Co.

BRUSHES-S. A. Felton & Son Co.

CARD CLOTHING-W. H. Bigelow. Charlotte Supply Company. Jos. Sykes Bros.

CARBONIZING MACHINES-C. G. Sargents Sons Co.

Mason Machine Works. Whitin Machine Works.

CLOTH ROOM MACHINERY-Stuart W. Cramer.

COMBERS-Whitin Machine Works.

COMMISSION MERCHANTS (Cloth) Grinnell Willis & Co.

DOBBIES-

Mason Machine Works. Kilburn, Lincoln & Co. The Stafford Company.

DRAWING FRAMES-Mason Machine Works. Whitin Machine Works.

DRAWING ROLLS-Metallic Drawing Roll Company. DYESTUFFS AND CHEMICALS-

Arabol Mfg. Co. Danker & Marston. A. Klipstein & Co. H. A. Metz & Co. New Brunswick Chemical Co. Seydel Manufacturing Co.

DYEING, DRYING, BLEACHING, AND FINISHING MACHINERY-C. G. Sargents Sons. Stuart W. Cramer. Psarski Dyeing Machine Co.

ENGINEERS-Stuart W. Cramer.

FIRE HOSE AND FITTINGS American Supply Co. Charlotte Supply Co.

HUMIDIFIERS-Stuart W. Cramer American Moistening Co.

HUMIDIFYING MACHINES. C. G. Sargents Sons.

LOOMS-

Crompton & Knowles Loom Works ROLLS-Draper Co. Kilburn, Lincoln Co. Mason Machine Works. Stafford Co. Whitin Machine Works

LOOM HARNESS, REEDS AND PICKERS American Supply Co. Garland Mfg. Co. Ivey Mfg. Co. Hice Manufacturing Co. Charlotte Supply Co.

LUG STRAPS-Ivey Mfg. Co. Hice Mfg. Co.

MILL CRAYONS American Supply Co. Charlotte Supply Co.

MILL SUPPLIES American Supply Co. Charlotte Supply Co. NAPPING MACHINERY-Stuart W. Cramer.

PICKERS AND LAPPERS-Kitson Machine Co .

POWER TRANSMISSION MACHIN- SPINDLES-ERV-Stuart W. Cramer.

PREPARATORY MACHINERY-Empire Duplex Gin Co. Kitson Machine Co.

PUMPS_ Stuart W. Cramer.

QUILLERS-Whitin Machine Works.

RAILDOADS-Seaboard Air Line. Southern Railway.

RING SPINNING FRAMES-Mason Machine Works. Whitin Machine Works.

RING TRAVELERS Charlotte Supply Co. American Supply Co. U. S. Ring Traveler Co.

Metallic Drawing Roll Co.

ROVING MACHINERY-Whitin Machine Works.

Dixon Lubricating Saddle Co.

SEPARATORS-Draper Co.

SHUTTLES-Union Shuttle Co. Shambow Shuttle Co.

SIZING COMPOUND-Arabol Mfg. Co.

New Brunswick Chemical Co. Danker & Marston. A Klipstein & Co. Seydel Mfg. Co.

SLASHERS Stuart W. Cramer. SOFTENERS_COTTON Arabol Mfg. Co. New Bunswick Chemical Co. A. Klipstein & Co.

Draper Co.

SPINNING RINGS-Draper Co. Whitinsville Spinning Ring Co.

SPOOLERS_ Draper Co. Whitin Machine Works.

STEAM ENGINES-Stuart W. Cramer.

STEAM SPECIALTIES-Charlotte Supply Con

STOP MOTIONS. Draper Co. The Stafford Co.

TEMPLES-Draper Co.

TRAVELERS_ U. S. Ring Traveler Co.

TWISTERS-Collins Bros. Draper Co.

WARP STOP MOTIONS Draper Co. The Stafford Co.

WEIGHTING COMPOUNDS Arabol Mfg. Co. New Brunswick Chemical Co. Danker & Marston. Seydel Mfg. Co.

WARPERS-Stuart W. Cramer. Draper Co.

WILLOWS-C. G. Sargents Sons Co.

WINDERS. Stuart W. Cramer. Universal Winding Co.

P. O. Box 88 Brothers, Bell Phone 404

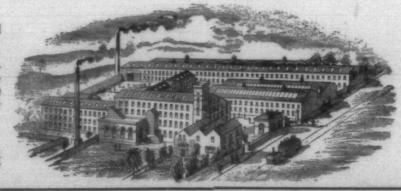
CARD CLOTHING MANUFACTURERS

Hardened and Tempered Steel Wire Plow Ground Card Clothing

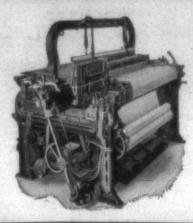
Revolving Top Flats Reclothed with our own Patent Steel Clip. Competent men to Clothe or Redraw Fillets. Licker-ins Rewound. Burnisher and Stripper Fillets, Dronsfield's Grinder Roller and Emery Fillets. All Regular sizes of Card Clothing always in stock and Shipped same Day Order is Received.

OFFICE AND FACTORY-4th FLOOR TOMPKINS BUILDING

R. D. THOMAS, Southern Agent CHARLOTTE, N. C.



"IDEAL" AUTOMATIC LOOMS



Unsurpassed in Simplicity, Durability and other Desirable Qualities. special mill supplies required. They make less waste than any other loom.

They Produce Superior Cloth

We invite correspondence and investigation

THE STAFFORD COMPANY READVILLE, MASS.

FRED H. WHITE, Southern Agent, Realty Building, Charlotte, N. C.

The Yarn Conditioning Machine



B. S. COTTRELL

Charlotte, N. C.

It overcomes kinky filling.

C. G. Sargents Sons Corp.

Graniteville. Massachusetts

Southern Agent

The Charlotte Supply Company

CHARLOTTE, N. C.

Manufacturers of PURE OAK TAN-NED BELTING. Special attention given Furnishing New Mills Complete. Write for Prices.

GENERAL MILL FURNISHERS

Southern Textile Bulletin

DAVID CLARK, Editor

A weekly publication devoted exclusively to the textile industry of the South. It reaches not only the mill office, but the superintendents, overseers and master mechanics.

> Threading and Corru gated Cop

Subscription \$1.00 Per Year

Advertising Rates Reasonable

ORGANIZED 1883

UNION SHUTTLE CO.

MANUFACTURERS OF

POWER LOOM SHUTTLES

OF EVERY DESCRIPTION



Fitted with Porcelain Eye

For Woolen and Worsted Weaving

TELEPHONE CONNECTIONS

OFFICE AND FACTORY Corner Market and Foster Streets South Lawrence Mass

Lawrence, Mass.

New Brunswick Chemical Co.

Preparations for Sizing and Finishing of all Kinds Gotton Cloths

SPECIALTIES FOR EXPORT GOODS

OFFICE AND WORKS

NEW BRUNSWICK, NEW JERSEY

Southern Representative,

S. H. BOYD, Greensboro, N. C.